

**Revised Procedures for Determining
Alert Levels and Aquifer Quality Limits for
Groundwater Compliance Monitoring**

*Florence Copper Project
Florence, Arizona*

ATTACHMENT 15 – EXHIBIT 15A
Revised Procedures for Determining Alert Levels and Aquifer Quality Limits for
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INTRODUCTION

The purpose of this report is to demonstrate the methodology used to develop alert levels (ALs) and aquifer quality limits (AQLs) for groundwater compliance monitoring at the BHP Florence facility (Facility). Statistical analysis was generally conducted according to principles presented in Appendix F of the APP application.

A different set of procedures was originally used to develop ALs and AQLs.¹ Compliance monitoring, however, revealed that the limits were too restrictive. (Because the startup of mining operations has been temporarily delayed, compliance monitoring is providing a means of testing the effectiveness of alert levels). Procedures presented herein result in somewhat higher limits because the effects of resampling are not incorporated into the statistical method and also because outliers were not removed unless there is evidence of sampling or laboratory error.

This report presents procedures for developing ALs and AQLs for common ions, pH and trace metals. Development of compliance limits for radiochemicals will be addressed separately.

DATA PREPARATION

Prepared data are presented in Table 1 (common ions and pH) and Table 2 (trace metals). The following steps were taken to prepare the raw data for analysis:

1. Duplicate analytical results were removed.
2. Results for total metals and filtered ions were removed.²
3. Occasional nondetect values were encountered during statistical analysis of common ions. Those values were replaced with one-half the reporting limit.
4. Outliers that were identified in the baseline data were retained unless there was evidence of laboratory or sampling errors. Outlier identification was not conducted on compliance monitoring data because resampling protocols were in effect at that time.
5. The most recent twelve values from each data set were used to calculate ALs. A data set consists of all data for a particular analyte and well.

¹ Brown and Caldwell⁺, 1997. *Procedure for Determining Alert Levels and Aquifer Quality Limits for Groundwater Compliance Monitoring*, BHP Copper Company, Florence, Arizona, February 26, 1997.

² For purposes of determining background concentrations for the compliance monitoring program, laboratory analyses were conducted on filtered samples for metals (including magnesium and trace metals) and unfiltered samples for ions. For purposes of experimentation only, a few analyses were conducted using unfiltered samples for metals and filtered samples for ions.

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ALERT LEVELS

GENERAL

ALs for common ions and pH were set equal to the upper limit of a prediction interval calculated from independent background samples (a lower limit was also calculated for pH). ALs for trace metals were set equal to the greater of the following two values: (1) the upper prediction limit, or (2) the midpoint between the reporting limit and either the aquifer water quality standard (AWQS), if one exists, or the secondary drinking water standard. The AL for cobalt was designated as “reserved” because all values were nondetects. Details of prediction limit calculations are presented below.

ASSUMPTIONS

Normal prediction intervals were chosen because most of the data sets for common ions³ and pH were shown to be normally distributed. Data sets for trace metals⁴ were assumed to be normally distributed even though they were not tested due to the high percentage of values below the reporting limits.

Prediction intervals for common ions and pH were calculated on a well-by-well basis because the data indicated significant spatial variability. Site-wide values were determined for trace metals because, for the majority of data sets, there were an insufficient number of detected values to calculate separate limits for each well. Also, the presence or absence of spatial variability was difficult to determine due to high percentages of data below the reporting limits. ALs for common ions and pH are presented in Table 1, and ALs for trace metals are presented in Table 2.

CALCULATIONS

Prediction limits were calculated as follows:

$$\text{upper limit} = \text{mean} + (\text{standard deviation} * \text{factor}) \quad (\text{eq. 1})$$

$$\text{lower limit} = \text{mean} - (\text{standard deviation} * \text{factor}) \quad (\text{eq. 2})$$

³ Common ions consist of fluoride (F), magnesium (Mg), sulfate (SO₄), and total dissolved solids (TDS).

⁴ Trace metals consist of aluminum (Al), antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), iron (Fe), lead (Pb), manganese (Mn), mercury (Hg), nickel (Ni), selenium (Se), thallium (Tl), and zinc (Zn).

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MEAN AND STANDARD DEVIATION

Conventional statistical methods available on Microsoft® Excel 97 SR-1 were used to calculate the mean and standard deviation for common ions and pH. The maximum likelihood method (MLE) described by Gibbons (1994, pp. 189-193)⁵ was used to estimate the mean and standard deviation for trace metals.⁶

PREDICTION LIMIT FACTORS

Four prediction limit factors (designated as “factor” in equations 1 and 2) were used to calculate ALs for the compliance monitoring program. Development of those factors is summarized below.

CASE 1: Level I – common ions

$$\text{factor} = t_{[n-1, 1-\alpha']} [1+(1/n)]^{0.5}$$

t = t-statistic

α = desired site-wide false positive rate = 0.01

k = number of wells * number of analytes = 31 * 4 = 124 (the 4 analytes consist of common ions)

α' = Bonferroni-adjusted site-wide false positive rate
 $= \alpha / k = 0.01 / 124 = 8.1 \times 10^{-5}$

n = number of background samples = 12

factor = **5.82**

⁵ Gibbons, R.D. 1994. *Statistical Methods for Groundwater Monitoring*. John Wiley & Sons, Inc., New York, NY, 286 pages.

⁶ There are two inconsistencies in the MLE procedure presented by Gibbons. Near the top of page 190, x_o , the censoring point, is not equal to MDL/2 (it is equal to the reporting limit, which may or may not be the MDL). Also, the right side of the equation at the bottom of page 192 for the standard deviation should be raised to the 1/2 power.

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CASE 2: Level II – common ions

$$\text{factor} = t_{[n-1, 1-\alpha']} * [1+(1/n)]^{0.5}$$

t = t-statistic

α = desired site-wide false positive rate = 0.01

k = number of wells * number of analytes = 31 * 29 = 899 (the 29 analytes consist of common ions, pH, trace metals, radiochemicals and organics)

$$\begin{aligned}\alpha' &= \text{Bonferroni-adjusted site-wide false positive rate} \\ &= \alpha / k = 0.01 / 899 = 1.1 \times 10^{-5}\end{aligned}$$

n = number of background samples = 12

factor = **7.30**

CASE 3: Level II – pH (two-sided prediction interval)

$$\text{factor} = t_{[n-1, 1 - (\alpha'/2)]} * [1+(1/n)]^{0.5}$$

t = t-statistic

α = desired site-wide false positive rate = 0.01

k = number of wells * number of analytes = 31 * 29 = 899 (the 29 analytes consist of common ions, pH, trace metals, radiochemicals and organics)

$$\begin{aligned}\alpha' &= \text{Bonferroni-adjusted site-wide false positive rate} \\ &= \alpha / k = 0.01 / 899 = 1.1 \times 10^{-5}\end{aligned}$$

n = number of background samples = 12

factor = **7.87**

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CASE 4: Level II – trace metals

$$\text{factor} = t_{[n-1, 1-\alpha']} * [1+(1/n)]^{0.5}$$

t = t-statistic

α = desired site-wide false positive rate = 0.01

k = number of wells * number of analytes = 31 * 29 = 899 (the 29 analytes consist of common ions, pH, trace metals, radiochemicals and organics)

$$\begin{aligned}\alpha' &= \text{Bonferroni-adjusted site-wide false positive rate} \\ &= \alpha / k = 0.01 / 899 = 1.1 \times 10^{-5}\end{aligned}$$

n = number of background samples = 372 (e.g. 31*12)

factor = **4.30**

ADJUSTED ALERT LEVELS

The purpose of ALs is to provide early warning of potential water quality problems that may result from mining operations. Frequent exceedance of ALs due to natural variability is undesirable. Some of the ALs for common ions appear to be too low because of extremely tight data sets (e.g. the data points used to calculate ALs are very close together). Although all of the pH data sets are tight, it is not expected that the resultant ALs will be too restrictive because pH has a low natural variability. The ALs for trace metals also appear to be reasonable.

ALs for selected common ion data sets were increased by adjusting the value for the standard deviation that is used in the prediction limit equation (eq. 1). The following procedure was used to calculate adjusted ALs:

1. The coefficient of variation (CV) was calculated for each data set. The CV, which is equal to the standard deviation divided by the mean, is a standardized measure of variability. In other words, the CV for a data set with a mean of 200 can be directly compared with the CV for a data set with a mean of 0.2. The same cannot be said for the standard deviation, which is dependent on the magnitude of the data points as well as the variability.
2. ALs were closely examined in relation to the data from which they were calculated. It was determined that ALs for data sets with a coefficient of variation less than approximately 0.1 were too low and could easily result in exceedances due to natural variability.

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3. For data sets with a CV less than 0.1, a modified standard deviation was calculated as the mean of each data set multiplied by a CV of 0.1.
4. Adjusted ALs were calculated using the modified standard deviations.

The adjustment procedure affected the following percentages of ALs; fluoride-0%, magnesium-71%, SO₄-29%, and TDS-87%. No aquifer water quality limits were affected. As stated previously, the procedure was not applied to pH or trace metals. Adjusted ALs, which are presented in Table 1, will be used to determine compliance.

AQUIFER QUALITY LIMITS

AQLs were established for analytes in the compliance monitoring program that have AWQS. Those analytes include Sb, As, Ba, Be, Cd, Cr, F, Pb, Hg, Ni, Se, and Tl. If the calculated AL was less than the AWQS, then the AQL was set equal to the AWQS. If the calculated AL was greater than or equal to the AWQS, then the AQL was set equal to the AL. The determination of AQLs for the Facility is summarized in Tables 3 and 4.

APPENDIX A - TABLES

Table 1. Alert Levels for Common Ions and pH

Well	M1-GL				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95	16*	80*	0.96*	560*	7.5*
Aug-95	15*	66*	0.80*	600*	7.5
Sep-95	18*	74*	0.66*	640*	7.3
Oct-95	18*	54*	0.76*	580*	7.4
Nov-95	17*	57	0.50*	600*	7.4
Dec-95	18*	73	0.91*	620*	7.4
Jan-96	17	61	0.55	570	7.5
Feb-96	17	59	0.54	570	7.2
Mar-96	17	58	0.76	590	7.4
Apr-96	17	60	0.71	610	7.4
May-96	18	61	0.66	580	7.4
Jun-96	18	62	0.69	630	7.5
Jul-96	19	66	0.83	590	7.2
Aug-96					
Sep-96					
Oct-96					
Nov-96					
Dec-96					
Jan-97					
Feb-97					
Mar-97					
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	18	67	0.62	650	
Dec-97					
Jan-98	19	67	0.61	560	
Mar-98					
Apr-98	19	42**	0.71	581	
May-98					
Jul-98	18	41**	0.71	665	
Sep-98					
Oct-98	20	65	0.72	536	
Nov-98					
Mean	18.1	63.0	0.676	594	7.38
Standard Deviation	0.996	4.67	0.0845	37.9	0.103
Coefficient of Variation	0.0551	0.0741	0.125	0.0638	0.0139
Level I					
Alert Level (upper)	24	90	1.2	815	
Adjusted AL (upper)	29	100		940	
Level II					
Alert Level (upper)	25	97	1.3	871	8.2
Adjusted AL (upper)	31	109		1028	
Alert Level (lower)					6.6
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M2-GU				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95	26*	170*	0.77*	900*	7.4*
Jul-95	26*	190*	0.91*	890*	7.3*
Aug-95	26*	180*	0.70*	880*	7.3
Sep-95	27*	180*	0.59*	900*	7.1
Oct-95	28*	180*	0.83*	880*	7.1
Nov-95	27*	160	0.46*	940*	7.3
Dec-95	26*	170	0.51*	900*	7.4
Jan-96	23	160	0.69	890	7.4
Feb-96	26	160	0.64	880	6.9
Mar-96	23	160	0.77	850	7.3
Apr-96	22	160	0.75	820	7.1
May-96	25	170	0.67	830	7.0
Jun-96	23	170	0.75	890	7
Jul-96	25	180	0.81	860	6.9
Aug-96					
Sep-96					
Oct-96					
Nov-96					
Dec-96					
Jan-97					
Feb-97					
Mar-97					
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	23	160	0.63	780	
Dec-97					
Jan-98	18	130	0.56	760	
Mar-98					
Apr-98	22	110**	0.9	725	
May-98					
Jul-98	21	95**	0.7	678	
Sep-98					
Oct-98	20	130	0.81	578	
Nov-98					
Mean	22.6	159	0.723	795	7.15
Standard Deviation	2.23	15.1	0.0937	96.1	0.183
Coefficient of Variation	0.0989	0.0946	0.130	0.121	0.0257
Level I					
Alert Level (upper)	36	247	1.3	1354	
Adjusted AL (upper)	36	252			
Level II					
Alert Level (upper)	39	269	1.4	1496	8.6
Adjusted AL (upper)	39	275			
Alert Level (lower)					5.7
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M3-GL				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95	18*	110*	0.68*	660*	7.3*
Jul-95	20*	130*	0.78*	710*	7.4*
Aug-95	20*	100*	0.050*	700*	7.4
Sep-95	19*	99*	0.50*	690*	7.3
Oct-95	21*	110*	0.67*	680*	7.3
Nov-95	20*	120*	0.39*	710*	7.5
Dec-95	20*	120	0.69*	690*	7.3
Jan-96	19*	100	0.57*	690*	7.6
Feb-96	20*	100	0.56*	620*	7.4
Mar-96	20	110	0.63	660	7.3
Apr-96	19	100	0.57	680	7.2
May-96	20	100	0.60	680	7.4
Jun-96	20	100	0.54	690	7.5
Jul-96	20	110	0.72	720	7
Aug-96					
Sep-96					
Oct-96					
Nov-96					
Dec-96					
Jan-97					
Feb-97					
Mar-97					
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	21	120	0.62	620	
Dec-97					
Jan-98	25	110	0.55	700	
Mar-98	20	75**	0.51	639	
Apr-98	21	86**	0.79	636	
May-98					
Jul-98	23	69**	0.55	662	
Sep-98	23	120	0.74	716	
Oct-98	21	110	0.73	623	
Nov-98					
Mean	21.1	108	0.629	669	7.35
Standard Deviation	1.73	8.35	0.0933	34.5	0.157
Coefficient of Variation	0.0820	0.0771	0.148	0.0516	0.0213
Level I					
Alert Level (upper)	31	157	1.2	870	
Adjusted AL (upper)	33	171		1058	
Level II					
Alert Level (upper)	34	169	1.3	921	8.6
Adjusted AL (upper)	36	187		1157	
Alert Level (lower)					6.1
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M4-O				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95	7.3*	130*	2.0*	670*	7.4*
Jul-95	9.0*	150*	2.6*	680*	7.1*
Aug-95	7.0*	98*	2.1*	580*	7.5
Sep-95	11*	150*	1.7*	800*	7.2
Oct-95	14*	160*	1.7*	800*	7.2
Nov-95	17*	190	1.1*	1100*	7.3
Dec-95	12*	160	1.7*	840*	7.2
Jan-96	8.4	110	1.5	690	7.6
Feb-96	6.8	96	2.0	520	7.7
Mar-96	6.3	85	2.3	540	7.2
Apr-96	5.3	75	2.0	540	7.2
May-96	5.1	72	2.3	490	7.3
Jun-96	5	65	2.1	480	7.4
Jul-96	4.8	65	2.6	450	7.0
Aug-96					
Sep-96					
Oct-96					
Nov-96					
Dec-96					
Jan-97					
Feb-97					
Mar-97					
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	4.7	61	2.1	450	
Dec-97					
Jan-98	3.6	59	2.4	440	
Mar-98					
Apr-98	5.2	39**	3	435	
May-98					
Jul-98	4.5	29**	2.6	397	
Sep-98					
Oct-98	4.5	53	2.5	403	
Nov-98					
Mean	5.35	90.9	2.28	486	7.32
Standard Deviation	1.27	43.0	0.383	80.2	0.199
Coefficient of Variation	0.237	0.473	0.168	0.165	0.0272
Level I					
Alert Level (upper)	13	341	4.5	953	
Adjusted AL (upper)					
Alert Level (lower)					5.7
Level II					
Alert Level (upper)	15	405	5.1	1072	8.9
Adjusted AL (upper)					
Alert Level (lower)					5.7
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M6-GU				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95	2.7*	68*	0.55*	440*	8.5*
Aug-95	2.7*	51*	0.63*	380*	8.2*
Sep-95	2.9*	48*	0.61*	380*	8.2
Oct-95	2.9*	49*	0.75*	360*	8.4
Nov-95	3.0*	49*	0.34*	380*	8.6
Dec-95	3.0*	73*	0.81*	390*	8.0
Jan-96	2.9*	51	0.79*	350*	7.9
Feb-96	3.0*	51	0.60*	380*	8.1
Mar-96	2.8	49	0.80	380	8.3
Apr-96	2.7	48	0.71	360	8.2
May-96	2.9	52	0.72	370	8.3
Jun-96	2.7	49	0.64	370	8.3
Jul-96	2.8	49	0.76	380	7.9
Aug-96					
Sep-96					
Oct-96	3.3	52	0.57	360	8.4
Nov-96					
Dec-96					
Jan-97					
Feb-97					
Mar-97					
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	3.2	53	0.56	360	
Dec-97					
Jan-98	3.1	53	0.51	340	
Mar-98					
Apr-98	2.9	28**	0.6	370	
May-98					
Jul-98	3	26**	0.58	336	
Sep-98					
Oct-98	3.3	47	0.65	325	
Nov-98	2.9	43	0.66	351	
Mean	2.97	49.8	0.647	359	8.22
Standard Deviation	0.215	2.90	0.0877	17.5	0.212
Coefficient of Variation	0.0723	0.0582	0.136	0.0487	0.0259
Level I					
Alert Level (upper)	4.2	67	1.2	460	
Adjusted AL (upper)	4.7	79		567	
Level II					
Alert Level (upper)	4.5	71	1.3	486	9.9
Adjusted AL (upper)	5.1	86		620	
Alert Level (lower)					6.5
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M7-GL				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95	0.18*	43*	1.3*	300*	9.6*
Sep-95	0.49*	33*	0.78*	300*	9.8
Oct-95	0.30*	24*	1.2*	280*	9.4
Nov-95	0.20	14*	0.55*	280*	9.5
Dec-95	0.15	46	1.1*	310*	9.5
Jan-96	0.16	26	0.82*	300*	9.6
Feb-96	0.15	30	0.83	280	9.2
Mar-96	0.23	30	1.1	290	9.3
Apr-96	0.15	30	1.0	260	9.4
May-96	0.22	33	0.81	280	9.4
Jun-96	0.18	31	0.82	270	9.2
Jul-96	0.18	34	0.92	290	9.1
Aug-96	0.25	35	0.67	300	9.5
Sep-96					
Oct-96					
Nov-96					
Dec-96					
Jan-97					
Feb-97					
Mar-97					
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	0.18	16	0.83	200	
Dec-97					
Jan-98	0.23	25	0.84	270	
Mar-98					
Apr-98	<0.25***	11**	0.91	258	
May-98					
Jul-98	<0.25***	5.8**	0.96	240	
Sep-98					
Oct-98	<0.25***	27	0.89	249	
Nov-98					
Mean	0.190	30.3	0.882	266	9.41
Standard Deviation	0.0354	7.09	0.109	27.2	0.193
Coefficient of Variation	0.186	0.234	0.124	0.102	0.0205
Level I					
Alert Level (upper)	0.40	71	1.5	424	
Adjusted AL (upper)					
Level II					
Alert Level (upper)	0.45	82	1.7	464	11
Adjusted AL (upper)					
Alert Level (lower)					7.9
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M8-O				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95	0.29*	78*	1.6*	350*	9.1*
Aug-95	0.24*	71*	2.1*	370*	8.6
Sep-95	0.27*	83*	2.8*	370*	8.7
Oct-95	0.24	71*	2.4*	360*	8.7
Nov-95	0.25	68	1.4*	390*	8.8
Dec-95	0.19	70	2.3*	410*	8.6
Jan-96	0.18	76	2.5	340	8.5
Feb-96	0.16	74	2.0	360	8.4
Mar-96	0.15	70	2.2	370	8.6
Apr-96	0.16	70	2.2	360	8.5
May-96	0.37	72	2.3	360	8.6
Jun-96	0.20	71	2.0	350	8.7
Jul-96	0.17	71	2.3	370	8.2
Aug-96					
Sep-96					
Oct-96					
Nov-96					
Dec-96					
Jan-97					
Feb-97					
Mar-97					
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	0.18	70	1.8	340	
Dec-97					
Jan-98	0.35	71	1.9	370	
Mar-98					
Apr-98	<0.25***	41**	1.9	352	
May-98					
Jul-98	<0.25***	40**	2	324	
Sep-98					
Oct-98	<0.25***	66	2.2	329	
Nov-98					
Mean	0.217	70.8	2.11	352	8.58
Standard Deviation	0.0736	2.56	0.207	15.9	0.160
Coefficient of Variation	0.340	0.0362	0.0980	0.0451	0.0187
Level I					
Alert Level (upper)	0.65	86	3.3	444	
Adjusted AL (upper)		112	3.3	557	
Level II					
Alert Level (upper)	0.75	89	3.6	468	9.8
Adjusted AL (upper)		122	3.6	609	
Alert Level (lower)					7.3
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M14-GL				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95	4.9*	98*	0.38*	570*	7.9*
Aug-95	4.5*	63*	0.65*	480*	8.2
Sep-95	4.6*	79*	0.36*	510*	8.1
Oct-95	5.5*	63	0.43*	530*	8.0
Nov-95	5.1*	68	0.25*	530*	8.1
Dec-95	4.7	64	0.75	490	8.0
Jan-96	4.7	71	0.40	510	7.9
Feb-96	5.1	65	0.36	500	7.5
Mar-96	3.1	58	0.64	500	8.1
Apr-96	2.7	57	0.60	470	8.1
May-96	7.3	77	0.38	530	7.8
Jun-96	5.8	64	0.50	510	7.9
Jul-96	9.8	73	0.36	510	7.8
Aug-96					
Sep-96					
Oct-96					
Nov-96					
Dec-96					
Jan-97					
Feb-97					
Mar-97					
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	13**	120**	0.44**	680**	
Dec-97	13**	100**	0.35**	680**	
Jan-98	8.6	68	0.35	450	
Mar-98					
Apr-98	6.8	47**	0.4	481	
May-98					
Jul-98	5.4	44**	0.4	532	
Sep-98					
Oct-98	8.9	96	0.52	582	
Nov-98					
Mean	6.07	68.7	0.472	505	7.96
Standard Deviation	2.25	10.4	0.131	33.7	0.193
Coefficient of Variation	0.371	0.151	0.278	0.0666	0.0242
Level I					
Alert Level (upper)	19	129	1.2	701	
Adjusted AL (upper)				800	
Level II					
Alert Level (upper)	23	144	1.4	751	9.5
Adjusted AL (upper)				874	
Alert Level (lower)					6.4
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M15-GU				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95	25*	80*	0.35*	870*	7.7*
Aug-95	26*	68*	0.64*	910*	7.5
Sep-95	26*	83*	0.56*	990*	7.4
Oct-95	27*	66*	0.47*	860*	7.4
Nov-95	26*	74	0.26*	900*	7.4
Dec-95	25*	73	0.72	930*	7.5
Jan-96	27	80	0.37	790	7.5
Feb-96	22	66	0.28	690	7.2
Mar-96	22	64	0.51	770	7.4
Apr-96	24	66	0.44	700	7.4
May-96	25	82	0.34	790	7.5
Jun-96	24	74	0.42	820	7.5
Jul-96	26	76	0.36	790	7.5
Aug-96					
Sep-96					
Oct-96					
Nov-96					
Dec-96					
Jan-97					
Feb-97					
Mar-97					
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	25	70	0.42	750	
Dec-97					
Jan-98	26	76	0.37	810	
Mar-98					
Apr-98	28	46**	0.49	872	
May-98					
Jul-98	28	88**	<0.4***	957	
Sep-98					
Oct-98	28	71	0.45	691	
Nov-98					
Mean	25.4	72.7	0.431	786	7.43
Standard Deviation	2.15	5.57	0.112	77.2	0.0888
Coefficient of Variation	0.0846	0.0766	0.259	0.0983	0.0119
Level I					
Alert Level (upper)	38	105	1.1	1235	
Adjusted AL (upper)	40	115		1243	
Level II					
Alert Level (upper)	41	113	1.2	1350	8.1
Adjusted AL (upper)	44	126		1359	
Alert Level (lower)					6.7
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M16-GU				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95	29*	170*	0.50*	1000*	6.8*
Aug-95	28*	160*	0.63*	980*	7.4
Sep-95	28*	150*	0.48*	1100*	7.3
Oct-95	30*	150*	0.64*	1000*	7.5
Nov-95	29*	150*	0.30*	1100*	7.5
Dec-95	28*	150*	0.85*	1000*	7.5
Jan-96	30*	140	0.45*	910*	7.4
Feb-96	28*	140	0.41*	950*	6.5
Mar-96	28*	140	0.70*	1020*	7.2
Apr-96	28	140	0.73	910	7.4
May-96	29	140	0.50	1000	7.1
Jun-96	29	140	0.53	970	7.5
Jul-96	28	150	0.56	840	7.5
Aug-96					
Sep-96					
Oct-96					
Nov-96					
Dec-96					
Jan-97					
Feb-97					
Mar-97					
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	28	140	0.53	1000	
Dec-97					
Jan-98	29	140	0.44	990	
Mar-98					
Apr-98	31	110**	0.51	899	
May-98	34	82**	0.51	994	
Jul-98	31	99**	0.57	985	
Sep-98	31	150	0.58	937	
Oct-98	32	150	0.61	879	
Nov-98	31	150	0.58	939	
Mean	30.1	143	0.554	945	7.32
Standard Deviation	1.88	4.92	0.0718	53.5	0.289
Coefficient of Variation	0.0625	0.0344	0.130	0.0566	0.0395
Level I					
Alert Level (upper)	41	172	1.0	1257	
Adjusted AL (upper)	48	227		1495	
Alert Level (lower)					5.0
Level II					
Alert Level (upper)	44	179	1.1	1336	9.6
Adjusted AL (upper)	52	248		1635	
Alert Level (lower)					5.0
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M17-GL				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	6.0*	150*	0.68*	600*	9.1
Jun-96	5.4*	140*	0.78*	550*	9.0
Jul-96	5.1*	140*	0.72*	500*	9.1
Aug-96	5.2*	130	0.81*	550*	9.0
Sep-96	5.6*	130	0.93*	520*	8.9
Oct-96	5.3	130	0.99	500	8.6
Nov-96	5.7	120	0.66	510	8.8
Dec-96	5.5	120	0.70	500	8.6
Jan-97	5.1	120	0.70	460	8.4
Feb-97	5.6	120	0.86	500	8.3
Mar-97	5.1	120	0.63	500	8.5
Apr-97	5.1	120	0.67	490	8.3
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	5.6	110	0.57	440	
Dec-97					
Jan-98	4.6	110	0.54	490	
Mar-98					
Apr-98	5	84**	0.62	451	
May-98					
Jul-98	5.7	86**	0.66	460	
Sep-98					
Oct-98	5.9	120	0.74	464	
Nov-98					
Mean	5.35	121	0.695	480	8.72
Standard Deviation	0.378	6.69	0.124	23.7	0.304
Coefficient of Variation	0.0706	0.0553	0.178	0.0494	0.0349
Level I					
Alert Level (upper)	7.5	160	1.4	619	
Adjusted AL (upper)	8.5	191		760	
Level II					
Alert Level (upper)	8.1	170	1.6	654	11
Adjusted AL (upper)	9.3	209		831	
Alert Level (lower)					6.3
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M18-GU				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95	21*	210*	1.2*	810*	7.4*
Aug-95	20*	170*	0.81*	790*	7.3
Sep-95	22*	160*	0.78*	870*	7.1
Oct-95	20*	160*	0.87*	790*	7.3
Nov-95	21*	160	0.60*	850*	7.3
Dec-95	21*	170	1.0*	830*	7.3
Jan-96	21	170	0.75	830	7.2
Feb-96	20	160	0.61	790	6.7
Mar-96	21	170	0.87	810	7.2
Apr-96	20	160	0.81	790	7.2
May-96	20	170	0.79	790	7.1
Jun-96	20	160	0.85	800	7.3
Jul-96	21	180	0.85	780	7.0
Aug-96					
Sep-96					
Oct-96					
Nov-96					
Dec-96					
Jan-97					
Feb-97					
Mar-97					
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	19	160	0.77	710	
Dec-97					
Jan-98	21	170	0.68	740	
Mar-98					
Apr-98	21	150**	0.88	744	
May-98					
Jul-98	21	110**	0.87	714	
Sep-98					
Oct-98	22	170	1	679	
Nov-98					
Mean	20.6	167	0.811	765	7.17
Standard Deviation	0.793	6.51	0.102	46.4	0.178
Coefficient of Variation	0.0385	0.0391	0.125	0.0606	0.0248
Level I					
Alert Level (upper)	25	205	1.4	1035	
Adjusted AL (upper)	33	264		1210	
Alert Level (lower)					5.8
Level II					
Alert Level (upper)	26	214	1.6	1103	8.6
Adjusted AL (upper)	36	288		1323	
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M19-LBF				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	11*	55*	0.48*	480*	7.5
Jun-96	11*	53*	0.40*	460*	7.6
Jul-96	12*	52*	0.44*	460*	7.7
Aug-96	11*	57*	0.42*	460*	7.8
Sep-96	12*	52	0.48	480*	7.7
Oct-96	12*	56	0.42	480*	7.6
Nov-96	12	52	0.43	480	7.6
Dec-96	11	52	0.40	470	7.8
Jan-97	12	52	0.58	430	7.6
Feb-97	12	50	0.54	480	7.7
Mar-97	11	52	0.50	450	7.7
Apr-97	11	52	0.40	490	7.7
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	11	50	0.43	480	
Dec-97					
Jan-98	11	52	0.36	440	
Mar-98					
Apr-98	15	28**	<0.4***	455	
May-98	13	28**	0.46	449	
Jul-98	12	36**	<0.4***	440	
Sep-98					
Oct-98	13	49	0.48	442	
Nov-98					
Mean	12.0	51.7	0.457	459	7.67
Standard Deviation	1.21	1.79	0.0630	20.1	0.0888
Coefficient of Variation	0.101	0.0347	0.138	0.0439	0.0116
Level I					
Alert Level (upper)	19	62	0.82	576	
Adjusted AL (upper)		82		726	
Level II					
Alert Level (upper)	21	65	0.92	606	8.4
Adjusted AL (upper)		89		794	
Alert Level (lower)					7.0
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M20-O				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	7.5*	67*	0.75*	500*	8.4*
Jun-96	8.0*	65*	0.66*	490*	7.9
Jul-96	8.4*	64*	0.75*	500*	7.5
Aug-96	8.4*	65	0.71*	490*	7.6
Sep-96	8.6*	66	0.92*	490*	7.6
Oct-96	8.8	64	0.96	480*	7.4
Nov-96	8.6	65	0.69	480	7.5
Dec-96	8.3	64	0.70	480	7.3
Jan-97	7.7	65	0.77	490	7.4
Feb-97	8.1	66	0.85	480	7.3
Mar-97	7.6	66	0.65	490	7.4
Apr-97	7.9	66	1.0	440	7.4
May-97				490	7.5
Jun-97					
Jul-97					
Aug-97					
Nov-97	8	61	0.59	440	
Dec-97					
Jan-98	7.7	65	0.59	490	
Mar-98					
Apr-98	9.2	36**	0.7	442	
May-98					
Jul-98	8.5	35**	0.74	450	
Sep-98					
Oct-98	8.9	62	0.76	439	
Nov-98					
Mean	8.28	64.6	0.750	468	7.48
Standard Deviation	0.526	1.62	0.130	22.9	0.164
Coefficient of Variation	0.0636	0.0251	0.174	0.0490	0.0219
Level I					
Alert Level (upper)	11	74	1.5	601	
Adjusted AL (upper)	13	102		740	
Level II					
Alert Level (upper)	12	76	1.7	635	8.8
Adjusted AL (upper)	14	112		809	
Alert Level (lower)					6.2
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M21-UBF				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	48*	270*	0.58*	1700*	7.0
Jun-96	51*	280*	0.47*	1600*	7.1
Jul-96	51*	260*	0.55*	1500*	7.1
Aug-96	54*	320	0.50*	1700*	7.1
Sep-96	53*	270	0.55*	1800*	7.1
Oct-96	52	290	0.53	1700	7.0
Nov-96	52	280	0.50	1700	7.1
Dec-96	58	300	0.47	1800	7.2
Jan-97	50	270	0.62	1700	7.1
Feb-97	50	270	0.71	1800	7.2
Mar-97	50	300	0.55	1800	7.1
Apr-97	48	280	0.49	1800	7.1
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	46	250	0.63	1600	
Dec-97					
Jan-98	48	280	0.52	1400	
Mar-98					
Apr-98	56	250**	0.57	1570	
May-98					
Jul-98	47	200**	0.49	1720	
Sep-98					
Oct-98	48	270	0.62	1300	
Nov-98					
Mean	50.4	282	0.558	1658	7.10
Standard Deviation	3.60	18.5	0.0731	164	0.0603
Coefficient of Variation	0.0715	0.0657	0.131	0.0989	0.00849
Level I					
Alert Level (upper)	71	389	1.0	2612	
Adjusted AL (upper)	80	446		2622	
Level II					
Alert Level (upper)	77	417	1.1	2854	7.6
Adjusted AL (upper)	87	487		2867	
Alert Level (lower)					6.6
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M22-O				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	4.9*	51*	0.64*	430*	8.5
Jun-96	4.5*	48*	0.74*	390*	8.6
Jul-96	5.1*	51*	0.67*	380*	8.6
Aug-96	5.0*	57	0.65*	400*	8.6
Sep-96	5.0*	50	0.05*	410*	8.6
Oct-96	5.2	53	0.65*	400	8.4
Nov-96	5.0	48	0.64	410	8.4
Dec-96	4.8	49	0.66	710	8.5
Jan-97	5.0	49	0.83	400	8.3
Feb-97	4.2	47	0.70	400	8.3
Mar-97	4.6	49	0.77	400	8.4
Apr-97	4.7	50	0.64	410	8.3
May-97			0.59		
Jun-97					
Jul-97					
Aug-97					
Nov-97	4.8	48	0.54	390	
Dec-97					
Jan-98	5.2	50	0.57	370	
Mar-98					
Apr-98	5.3	27**	0.62	392	
May-98					
Jul-98	5.5	21**	0.61	389	
Sep-98					
Oct-98	5.5	47	0.73	369	
Nov-98					
Mean	4.98	49.8	0.658	420	8.46
Standard Deviation	0.386	2.80	0.0852	92.3	0.124
Coefficient of Variation	0.0774	0.0563	0.129	0.220	0.0147
Level I					
Alert Level (upper)	7.2	66	1.2	957	
Adjusted AL (upper)	7.9	79			
Level II					
Alert Level (upper)	7.8	70	1.3	1094	9.4
Adjusted AL (upper)	8.6	86			
Alert Level (lower)					7.5
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M23-UBF				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	40*	260*	0.55*	1500*	6.9
Jun-96	39*	250*	0.64*	1400*	7.0
Jul-96	40*	260*	0.61*	1300*	7.0
Aug-96	40*	300*	0.59*	1500*	7.2
Sep-96	39*	240*	0.49*	1400*	7.2
Oct-96	40*	260	0.61*	1400*	7.1
Nov-96	41*	240	0.60*	1400*	7.2
Dec-96	39	240	0.59	1500	7.2
Jan-97	38	240	0.79	1400	7.2
Feb-97	39	230	0.82	1500	7.2
Mar-97	35	240	0.76	1300	7.2
Apr-97	37	240	0.59	1400	7.2
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	38	220	0.63	1400	
Dec-97					
Jan-98	38	240	0.58	1300	
Mar-98					
Apr-98	43	200**	0.65	1280	
May-98					
Jul-98	45	190**	0.62	1600	
Sep-98	42	250	0.68	1370	
Oct-98	46	250	0.69	1300	
Nov-98	40	200	0.72	1240	
Mean	40.0	238	0.677	1383	7.13
Standard Deviation	3.33	15.4	0.0814	108	0.107
Coefficient of Variation	0.0833	0.0650	0.120	0.0778	0.0150
Level I					
Alert Level (upper)	59	327	1.2	2008	
Adjusted AL (upper)	63	376		2187	
Level II					
Alert Level (upper)	64	350	1.3	2168	8.0
Adjusted AL (upper)	69	411		2392	
Alert Level (lower)					6.3
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M24-O				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	12*	820*	0.98*	1500*	7.8
Jun-96	11*	820*	1.1*	1400*	7.9
Jul-96	11*	780*	1.0*	1400*	7.9
Aug-96	11*	810	0.64*	1400*	7.9
Sep-96	12*	810	1.3*	1400*	7.8
Oct-96	12	850	1.3	1400	7.7
Nov-96	11	800	0.96	1400	7.9
Dec-96	11	800	1.1	1400	7.8
Jan-97	11	790	1.1	1400	7.8
Feb-97	11	790	1.3	1400	7.7
Mar-97	10	790	0.94	1400	7.8
Apr-97	11	810	0.56	1400	7.8
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	11	710	0.89	1300	
Dec-97					
Jan-98	10	820	0.73	1400	
Mar-98					
Apr-98	12	630**	0.96	1230	
May-98					
Jul-98	12	710**	1	1350	
Sep-98					
Oct-98	12	680	1.1	1310	
Nov-98					
Mean	11.2	788	0.995	1366	7.82
Standard Deviation	0.718	47.1	0.212	56.8	0.0718
Coefficient of Variation	0.0643	0.0597	0.213	0.0416	0.00918
Level I					
Alert Level (upper)	15	1062	2.2	1696	
Adjusted AL (upper)	18	1247		2161	
Level II					
Alert Level (upper)	16	1132	2.5	1780	8.4
Adjusted AL (upper)	19	1364		2363	
Alert Level (lower)					7.3
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M25-UBF				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	35*	220*	0.58*	1200*	7.1
Jun-96	37*	230*	0.59*	1300*	7.2
Jul-96	31*	210*	0.67*	990*	7.6
Aug-96	33*	220	1.0*	1200*	7.9
Sep-96	28*	190	0.86*	1100*	7.4
Oct-96	31	200	0.92	1100	7.1
Nov-96	25	170	0.72	940	7.4
Dec-96	32	210	0.63	1200	7.2
Jan-97	30	210	0.68	1200	7.2
Feb-97	25	180	0.84	980	7.2
Mar-97	35	240	0.52	1300	7.2
Apr-97	37	250	0.57	1400	7.1
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	24	170	0.69	850	
Dec-97					
Jan-98	22	200	0.49	1000	
Mar-98					
Apr-98	35	180**	0.63	1100	
May-98					
Jul-98	43	190**	0.59	1550	
Sep-98					
Oct-98	30	190	0.74	892	
Nov-98					
Mean	30.8	203	0.668	1126	7.30
Standard Deviation	6.15	25.3	0.126	213	0.241
Coefficient of Variation	0.200	0.125	0.188	0.189	0.0330
Level I					
Alert Level (upper)	67	350	1.4	2367	
Adjusted AL (upper)					
Level II					
Alert Level (upper)	76	387	1.6	2683	9.2
Adjusted AL (upper)					
Alert Level (lower)					5.4
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M26-O				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	0.64*	66*	1.9*	380*	8.7
Jun-96	0.43*	62*	1.8*	350*	8.6
Jul-96	0.35*	63*	2.0*	340*	8.2
Aug-96	0.33*	64	1.5*	360*	8.6
Sep-96	0.38*	62	1.8*	370*	7.8
Oct-96	0.30*	63	2.0	340	8.6
Nov-96	0.31	61	1.6	330	8.6
Dec-96	0.29	62	1.7	370	8.6
Jan-97	0.26	60	2.0	340	8.4
Feb-97	0.23	61	2.0	340	8.4
Mar-97	0.29	60	1.9	280	8.6
Apr-97	0.27	60	1.6	360	8.5
May-97	0.23				
Jun-97					
Jul-97					
Aug-97					
Nov-97	0.36	58	1.4	330	
Dec-97					
Jan-98	0.28	60	1.5	310	
Mar-98					
Apr-98	0.26	41**	1.9	270	
May-98					
Jul-98	0.26	31**	2	293	
Sep-98					
Oct-98	0.27	57	1.7	294	
Nov-98					
Mean	0.276	60.7	1.78	321	8.47
Standard Deviation	0.0353	1.97	0.218	31.7	0.250
Coefficient of Variation	0.128	0.0325	0.123	0.0987	0.0295
Level I					
Alert Level (upper)	0.48	72	3.0	506	
Adjusted AL (upper)		96		508	
Level II					
Alert Level (upper)	0.53	75	3.4	553	10
Adjusted AL (upper)		105		556	
Alert Level (lower)					6.5
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M27-LBF				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	22*	110*	0.41*	1100*	7.9*
Jun-96	26*	120*	0.38*	980*	8.0
Jul-96	27*	110*	0.43	940*	7.8
Aug-96	29*	100	0.23	970*	7.9
Sep-96	30*	100	0.37	1200*	8.7
Oct-96	31	110	0.38	1000	7.8
Nov-96	30	100	0.30	1100	7.6
Dec-96	29	110	0.33	970	7.8
Jan-97	30	100	0.44	1100	7.6
Feb-97	29	110	0.38	990	7.7
Mar-97	26	100	0.32	1000	7.7
Apr-97	28	99	0.30	1100	7.6
May-97					7.6
Jun-97					
Jul-97					
Aug-97					
Nov-97	29	110	0.34	960	
Dec-97					
Jan-98	29	100	0.28	970	
Mar-98					
Apr-98	30	79**	<0.4***	944	
May-98					
Jul-98	30	57**	<0.4***	1140	
Sep-98					
Oct-98	31	100	<0.4***	833	
Nov-98					
Mean	29.3	103	0.342	1009	7.82
Standard Deviation	1.37	4.99	0.0615	87.0	0.307
Coefficient of Variation	0.0467	0.0484	0.180	0.0862	0.0393
Level I					
Alert Level (upper)	37	132	0.70	1515	
Adjusted AL (upper)	46	163		1596	
Level II					
Alert Level (upper)	39	140	0.79	1644	10
Adjusted AL (upper)	51	179		1745	
Alert Level (lower)					5.4
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M28-LBF				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	1.3*	53*	0.76*	400*	9.4
Jun-96	1.5*	53*	0.78*	370*	9.2
Jul-96	1.5*	49*	0.89*	360*	8.8
Aug-96	1.3*	49	0.65*	380*	8.8
Sep-96	1.4*	48	0.83*	400*	8.9
Oct-96	1.5	48	0.91	360	8.7
Nov-96	1.4	48	0.70	370	8.5
Dec-96	1.5	46	0.79	370	8.7
Jan-97	1.4	46	0.94	350	8.5
Feb-97	1.5	50	0.88	360	8.5
Mar-97	1.4	46	0.74	370	8.6
Apr-97	1.5	45	0.69	370	8.5
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	1.5	45	0.57	360	
Dec-97					
Jan-98	1.5	46	0.63	330	
Mar-98					
Apr-98	1.4	31**	0.87	328	
May-98					
Jul-98	1.5	22**	0.73	344	
Sep-98					
Oct-98	1.6	44	0.78	317	
Nov-98					
Mean	1.47	46.8	0.769	352	8.76
Standard Deviation	0.0622	1.82	0.115	18.7	0.291
Coefficient of Variation	0.0421	0.0388	0.149	0.0530	0.0332
Level I					
Alert Level (upper)	1.8	57	1.4	461	
Adjusted AL (upper)	2.3	74		558	
Level II					
Alert Level (upper)	1.9	60	1.6	489	11
Adjusted AL (upper)	2.6	81		610	
Alert Level (lower)					6.5
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M29-UBF				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	44*	240*	0.62*	1600*	7.1
Jun-96	48*	260*	0.60*	1500*	7.2
Jul-96	45*	280*	0.66*	1600*	7.0
Aug-96	48*	270*	0.42*	1600*	7.1
Sep-96	48*	260	0.57*	1700*	7.2
Oct-96	51*	270	0.63*	1700*	7.1
Nov-96	49	260	0.50	1700	7.1
Dec-96	43	260	0.59	1500	7.1
Jan-97	47	260	0.69	1700	7.1
Feb-97	50	270	0.65	1700	7.1
Mar-97	44	260	0.50	1600	7.2
Apr-97	45	250	0.51	1700	7.2
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	49	250	0.58	1700	
Dec-97					
Jan-98	49	270	0.52	1500	
Mar-98					
Apr-98	50	200**	0.7	1540	
May-98					
Jul-98	50	170**	0.6	1500	
Sep-98					
Oct-98	55	300	0.59	1440	
Nov-98	54	250	0.64	1500	
Mean	48.8	263	0.589	1590	7.12
Standard Deviation	3.62	13.7	0.0713	104	0.0622
Coefficient of Variation	0.0743	0.0521	0.121	0.0651	0.00872
Level I					
Alert Level (upper)	70	343	1.0	2193	
Adjusted AL (upper)	77	417		2515	
Level II					
Alert Level (upper)	75	363	1.1	2346	7.6
Adjusted AL (upper)	84	456		2751	
Alert Level (lower)					6.6
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M30-O				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	11*	62*	0.66*	490*	7.4
Jun-96	10*	60*	0.82*	510*	7.3
Jul-96	11*	62*	0.69*	470*	7.1
Aug-96	11*	60	0.66*	490*	7.6
Sep-96	11*	60	0.77*	510*	7.5
Oct-96	11	61	0.99	480	7.4
Nov-96	10	59	0.65	460	7.5
Dec-96	10	60	0.74	480	7.4
Jan-97	9.9	59	0.84	480	7.4
Feb-97	11	59	0.83	490	7.4
Mar-97	9.6	59	0.71	490	7.4
Apr-97	10	59	0.65	500	7.4
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	10	58	0.61	470	
Dec-97					
Jan-98	11	59	0.56	480	
Mar-98					
Apr-98	12	34**	0.66	476	
May-98					
Jul-98	10	32**	0.69	457	
Sep-98					
Oct-98	11	56	0.73	454	
Nov-98					
Mean	10.5	59.1	0.722	476	7.40
Standard Deviation	0.717	1.24	0.118	14.0	0.121
Coefficient of Variation	0.0685	0.0210	0.163	0.0295	0.0163
Level I					
Alert Level (upper)	15	66	1.4	558	
Adjusted AL (upper)	17	93		754	
Level II					
Alert Level (upper)	16	68	1.6	579	8.3
Adjusted AL (upper)	18	102		824	
Alert Level (lower)					6.5
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M31-LBF				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	32*	180*	0.57*	1100*	7.2
Jun-96	31*	180*	0.76*	1100*	7.1
Jul-96	29*	200*	0.66*	990*	7.0
Aug-96	29*	180*	0.62*	990*	7.3
Sep-96	28*	180	0.71*	1100*	7.4
Oct-96	29*	190	0.86*	1000*	7.2
Nov-96	27	180	0.69	990	7.3
Dec-96	28	180	0.74	990	7.3
Jan-97	28	180	0.80	990	7.3
Feb-97	28	180	0.80	1000	7.2
Mar-97	25	180	0.65	1000	7.3
Apr-97	24	180	0.63	1000	7.3
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	27	200	0.66	990	
Dec-97					
Jan-98	25	210	0.55	970	
Mar-98					
Apr-98	23	160**	0.66	908	
May-98					
Jul-98	27	150**	0.7	882	
Sep-98					
Oct-98	29	220	0.78	877	
Nov-98	28	210	0.78	949	
Mean	26.6	191	0.703	962	7.24
Standard Deviation	1.88	15.1	0.0783	46.9	0.108
Coefficient of Variation	0.0708	0.0789	0.111	0.0488	0.0150
Level I					
Alert Level (upper)	38	278	1.2	1235	
Adjusted AL (upper)	42	302		1522	
Level II					
Alert Level (upper)	40	301	1.3	1305	8.1
Adjusted AL (upper)	46	330		1665	
Alert Level (lower)					6.4
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M32-UBF				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	53*	280*	0.54*	1600*	7.2
Jun-96	52*	300*	0.51*	1600*	7.1
Jul-96	54*	300*	0.72*	1600*	7.1
Aug-96	51*	290	0.55*	1600*	7.2
Sep-96	56*	300	0.57*	1700*	7.1
Oct-96	53	310	0.62	1800	7.2
Nov-96	53	300	0.58	1700	7.3
Dec-96	51	300	0.64	1600	7.2
Jan-97	50	290	0.60	1800	7.1
Feb-97	54	280	0.78	1700	7.2
Mar-97	45	280	0.72	1500	7.2
Apr-97	46	270	0.57	1600	7.1
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	48	260	0.69	1600	
Dec-97					
Jan-98	48	290	0.59	1400	
Mar-98					
Apr-98	31	230**	0.54	1390	
May-98					
Jul-98	45	170**	0.65	1540	
Sep-98					
Oct-98	48	260	0.68	1250	
Nov-98					
Mean	47.7	286	0.638	1573	7.17
Standard Deviation	6.10	16.2	0.0695	168	0.0651
Coefficient of Variation	0.128	0.0567	0.109	0.107	0.00909
Level I					
Alert Level (upper)	83	380	1.0	2553	
Adjusted AL (upper)		452			
Level II					
Alert Level (upper)	92	404	1.1	2802	7.7
Adjusted AL (upper)		494			
Alert Level (lower)					6.7
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	M33-UBF				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96					
Feb-96					
Mar-96					
Apr-96					
May-96	46	210	0.70	1400	7.2
Jun-96	42	220	0.65	1400	7.2
Jul-96	48	250	0.91	1500	7.1
Aug-96	43	230	0.81	1400	7.3
Sep-96	47	240	0.81	1400	7.2
Oct-96	44	240	0.77	1500	7.1
Nov-96	46	270	0.68	1600	7.3
Dec-96	45	260	0.75	1500	7.2
Jan-97	46	260	0.73	1500	7.1
Feb-97	45	260	0.89	1600	7.2
Mar-97	46	260	0.74	1500	7.1
Apr-97	44	260	0.66	1500	7.1
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97					
Dec-97					
Jan-98					
Mar-98					
Apr-98					
May-98					
Jul-98					
Sep-98					
Oct-98					
Nov-98					
Mean	45.2	247	0.758	1483	7.17
Standard Deviation	1.70	18.7	0.0842	71.8	0.0754
Coefficient of Variation	0.0376	0.0760	0.111	0.0484	0.0105
Level I					
Alert Level (upper)	55	356	1.2	1901	
Adjusted AL (upper)	71	390		2347	
Level II					
Alert Level (upper)	58	384	1.4	2007	7.8
Adjusted AL (upper)	78	427		2566	
Alert Level (lower)					6.6
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	P19-1-O				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96	7.6*	62*	1.0*	480*	8.1*
Feb-96	7.6*	64*	0.82*	450*	6.2
Mar-96	7.6*	60*	1.3*	460*	7.4
Apr-96	7.6*	58*	1.2*	450*	7.3
May-96	7.4*	59	1.1*	450*	7.3
Jun-96	7.5*	76	1.3*	450*	7.7
Jul-96	6.9*	63	1.5	440	7.6
Aug-96	7.4	59	1.1	460	7.8
Sep-96	7.4	63	1.7	460	7.8
Oct-96	8.9	59	1.4	460	7.5
Nov-96	7.4	60	1.2	460	7.7
Dec-96	7.3	60	1.3	470	7.6
Jan-97					
Feb-97					
Mar-97	6.4	60	1.7	470	7.6
Apr-97					
May-97	6.8				
Jun-97					
Jul-97					
Aug-97					
Nov-97	6.8	59	1.1	430	
Dec-97					
Jan-98	6.8	62	1.2	400	
Mar-98					
Apr-98	7	41**	1.3	438	
May-98					
Jul-98	6.6	34**	1.2	396	
Sep-98					
Oct-98	7.5	59	1.4	436	
Nov-98					
Mean	7.19	61.6	1.34	443	7.46
Standard Deviation	0.649	4.80	0.207	25.1	0.432
Coefficient of Variation	0.0902	0.0779	0.154	0.0566	0.0579
Level I					
Alert Level (upper)	11	89	2.5	589	
Adjusted AL (upper)	11	97		701	
Level II					
Alert Level (upper)	12	97	2.8	626	11
Adjusted AL (upper)	12	107		767	
Alert Level (lower)					4.1
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	O19-GL				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96	10*	65*	0.49*	550*	7.8*
Feb-96	9.1*	60*	0.44*	430*	6.4
Mar-96	9.4*	58*	0.72*	480*	7.6
Apr-96	12*	75*	0.58*	550*	7.4
May-96	10*	66	0.59*	470*	7.5
Jun-96	10*	60	0.60*	450*	7.8
Jul-96	9.1	60	0.68	450*	7.6
Aug-96	9.3	55	0.48	460	7.8
Sep-96	10	58	0.70	470	7.9
Oct-96	10	57	0.76	460	7.6
Nov-96	10	58	0.54	470	7.8
Dec-96	10	57	0.58	480	7.7
Jan-97					
Feb-97					
Mar-97	9.5	58	0.77	470	7.7
Apr-97					
May-97				470	
Jun-97					
Jul-97					
Aug-97					
Nov-97	9.9	53	0.49	430	
Dec-97					
Jan-98	9.8	56	0.46	430	
Mar-98					
Apr-98	10	34**	0.55	400	
May-98					
Jul-98	10	27**	0.49	370	
Sep-98					
Oct-98	11	52	0.66	428	
Nov-98					
Mean	9.88	57.5	0.597	445	7.57
Standard Deviation	0.471	3.63	0.112	33.8	0.394
Coefficient of Variation	0.0476	0.0631	0.188	0.0760	0.0521
Level I					
Alert Level (upper)	13	79	1.3	642	
Adjusted AL (upper)	16	91		704	
Level II					
Alert Level (upper)	13	84	1.4	692	11
Adjusted AL (upper)	17	99		770	
Alert Level (lower)					4.5
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	P49-O				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96	3.8*	120*	0.29*	510*	6.8*
Feb-96	4.1*	110*	0.83*	490*	7.3
Mar-96	3.8*	110*	0.99*	480*	7.3
Apr-96	3.6*	100*	1.1*	500*	7.2
May-96	3.8*	110	1.1*	500*	7.4
Jun-96	3.6*	110	0.85*	490*	7.6
Jul-96	3.7	110	1.0	460	7.4
Aug-96	3.8	110	0.88	480	7.7
Sep-96	3.7	110	1.0	500	7.7
Oct-96	3.3	110	1.0	480	7.7
Nov-96	3.5	100	0.91	470	7.7
Dec-96	3.4	100	1.0	480	7.8
Jan-97					
Feb-97					
Mar-97	3.4	98	1.3	470	7.7
Apr-97					
May-97					
Jun-97					
Jul-97					
Aug-97					
Nov-97	3.6	100	0.73	460	
Dec-97					
Jan-98	3.3	98	0.76	460	
Mar-98					
Apr-98	3.7	71**	0.86	411	
May-98					
Jul-98	3.5	71**	0.97	444	
Sep-98					
Oct-98	3.8	99	1	440	
Nov-98					
Mean	3.56	105	0.951	463	7.54
Standard Deviation	0.183	5.70	0.146	23.3	0.207
Coefficient of Variation	0.0515	0.0545	0.154	0.0503	0.0274
Level I					
Alert Level (upper)	4.6	138	1.8	598	
Adjusted AL (upper)	5.6	165		732	
Level II					
Alert Level (upper)	4.9	146	2.0	633	9.2
Adjusted AL (upper)	6.2	181		801	
Alert Level (lower)					5.9
Prediction Limit Factors:					
Level I = 5.82					
Level II = 7.30					
2-Sided (for pH) = 7.87					

Table 1. Alert Levels for Common Ions and pH

Well	O49-GL				
Analyte (units)	Mg (mg/l)	SO ₄ (mg/l)	F (mg/l)	TDS (mg/l)	pH (S.U.)
Sample Date					
Jun-95					
Jul-95					
Aug-95					
Sep-95					
Oct-95					
Nov-95					
Dec-95					
Jan-96	7.6*	55*	0.44*	510*	7.0
Feb-96	8.0*	51*	0.38*	450*	7.5
Mar-96	7.4*	51*	0.45*	480*	7.6
Apr-96	7.4*	49*	0.53*	460*	7.4
May-96	7.0*	50*	0.46*	470*	7.3
Jun-96	7.5*	73	0.43*	460*	7.7
Jul-96	7.6*	50	0.44*	430*	7.5
Aug-96	7.4	48	0.39	470	7.9
Sep-96	7.8	48	0.51	460	7.8
Oct-96	6.8	48	0.45	460	7.8
Nov-96	7.4	52	0.46	480	7.9
Dec-96	9.2**	78**	0.46**	560**	7.8**
Jan-97					
Feb-97					
Mar-97	21**	210**	0.46**	2200**	7.3**
Apr-97					
May-97	26**	260**		1300**	
Jun-97	23**	220**		1100**	
Jul-97					
Aug-97	8.6	72	0.44	510	7.4
Nov-97	10	90	0.39	590	
Dec-97	8.6	64	0.45	480	
Jan-98	8.4	62	0.4	460	
Mar-98					
Apr-98	11	49**	0.46	549	
May-98	9.9	38**	0.54	457	
Jul-98	9.1	42**	0.4	492	
Sep-98					
Oct-98	9.5	61	0.57	479	
Nov-98					
Mean	8.71	60.7	0.455	491	7.57
Standard Deviation	1.25	13.5	0.0590	40.9	0.271
Coefficient of Variation	0.143	0.222	0.130	0.0833	0.0358
Level I					
Alert Level (upper)	16	139	0.80	729	
Adjusted AL (upper)				776	
Level II					
Alert Level (upper)	18	159	0.89	789	9.7
Adjusted AL (upper)				849	
Alert Level (lower)					5.4
Prediction Limit Factors:	* Not used because data sets limited to 12 values.				
Level I = 5.82	** Not used due to loss of well integrity or lab error.				
Level II = 7.30	*** Not used because reporting limit is too high.				
2-Sided (for pH) = 7.87	Note: Final alert levels are bolded.				

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Al	Sb	As	Ba	Be	Cd
M1-GL	Jul-95	<0.1	<0.005	<0.002	0.023	<0.001	<0.005
	Aug-95	<0.1	<0.005	<0.002	0.022	<0.001	<0.005
	Sept-95	<0.1	<0.005	0.0030	0.024	<0.001	<0.005
	Oct-95	<0.1	<0.005	<0.002	0.019	<0.001	<0.005
	Nov-95	<0.1	<0.005	<0.002	0.022	<0.001	<0.005
	Dec-95	<0.1	<0.005	0.0023	0.023	<0.001	<0.005
	Jan-96	0.44	<0.005	<0.002	0.021	<0.001	<0.005
	Feb-96	<0.1	<0.005	0.0034	0.024	<0.001	<0.005
	Mar-96	<0.1	<0.005	<0.002	0.021	<0.001	<0.005
	Apr-96	<0.1	<0.005	<0.002	0.021	<0.001	<0.005
	May-96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	Jun-96	<0.1	<0.005	<0.002	0.023	<0.001	<0.005
M2-GU	Jun-95	<0.1	<0.005	0.0025	0.046	<0.001	<0.005
	Jul-95	<0.1	<0.005	<0.002	0.043	0.0014	<0.005
	Aug-95	<0.1	<0.005	0.0036	0.041	<0.001	0.0079
	Sept-95	<0.1	<0.005	0.0030	0.047	<0.001	<0.005
	Oct-95	<0.1	<0.005	0.0028	0.048	<0.001	<0.005
	Nov-95	<0.1	0.0071	0.0027	0.042	<0.001	<0.005
	Dec-95	<0.1	<0.005	<0.002	0.045	<0.001	<0.005
	Jan-96	<0.1	<0.005	<0.002	0.040	<0.001	<0.005
	Feb-96	<0.1	<0.005	0.0030	0.045	<0.001	<0.005
	Mar-96	<0.1	<0.005	0.0023	0.039	<0.001	<0.005
	Apr-96	<0.1	<0.005	0.0022	0.039	<0.001	<0.005
	May-96	<0.1	<0.005	<0.002	0.041	<0.001	<0.005
M3-GL	Jun-95	<0.1	<0.005	<0.002	0.027	<0.001	<0.005
	Jul-95	<0.1	<0.005	<0.002	0.027	0.0020	<0.005
	Aug-95	<0.1	<0.005	0.0024	0.024	<0.001	<0.005
	Sept-95	<0.1	<0.005	<0.002	0.025	<0.001	<0.005
	Oct-95	<0.1	<0.005	<0.002	0.028	<0.001	<0.005
	Nov-95	<0.1	<0.005	<0.002	0.022	<0.001	<0.005
	Dec-95	<0.1	<0.005	<0.002	0.025	<0.001	<0.005
	Jan-96	<0.1	<0.005	<0.002	0.024	<0.001	<0.005
	Feb-96	<0.1	<0.005	<0.002	0.026	<0.001	<0.005
	Mar-96	<0.1	<0.005	<0.002	0.025	<0.001	<0.005
	Apr-96	<0.1	<0.005	<0.002	0.024	<0.001	<0.005
	May-96	<0.1	<0.005	<0.002	0.023	<0.001	<0.005
M4-O	Jun-95	<0.1	<0.005	<0.002	0.015	<0.001	<0.005
	Jul-95	<0.1	<0.005	<0.002	0.016	0.0022	<0.005
	Aug-95	<0.1	<0.005	0.0029	0.011	<0.001	0.0082
	Sept-95	<0.1	<0.005	<0.002	0.019	<0.001	<0.005
	Oct-95	<0.1	<0.005	<0.002	0.021	<0.001	<0.005
	Nov-95	<0.1	<0.005	<0.002	0.022	<0.001	<0.005
	Dec-95	<0.1	<0.005	<0.002	0.019	<0.001	<0.005
	Jan-96	<0.1	<0.005	<0.002	0.014	<0.001	<0.005
	Feb-96	<0.1	<0.005	<0.002	0.012	<0.001	<0.005
	Mar-96	<0.1	<0.005	<0.002	0.012	<0.001	<0.005
	Apr-96	<0.1	<0.005	<0.002	0.010	<0.001	<0.005
	May-96	<0.1	<0.005	<0.002	0.009	<0.001	<0.005

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Al	Sb	As	Ba	Be	Cd
M6-GU	Jul-95	<0.1	<0.005	<0.002	0.0065	<0.001	<0.005
	Aug-95	<0.1	<0.005	<0.002	0.0069	<0.001	<0.005
	Sept-95	<0.1	<0.005	<0.002	0.0077	<0.001	<0.005
	Oct-95	<0.1	<0.005	<0.002	0.0082	<0.001	<0.005
	Nov-95	<0.1	<0.005	0.0031	0.0082	<0.001	<0.005
	Dec-95	0.13	<0.005	<0.002	0.0086	<0.001	<0.005
	Jan-96	<0.1	<0.005	<0.002	0.0057	<0.001	<0.005
	Feb-96	<0.1	<0.005	<0.002	0.0071	<0.001	<0.005
	Mar-96	<0.1	<0.005	<0.002	0.0079	<0.001	<0.005
	Apr-96	<0.1	<0.005	<0.002	0.0077	<0.001	<0.005
	May-96	<0.1	<0.005	<0.002	0.0064	<0.001	<0.005
	Jun-96	<0.1	<0.005	<0.002	0.0078	<0.001	<0.005
M7-GL	Aug-95	<0.1	<0.005	<0.002	0.013	<0.001	<0.005
	Sept-95	0.18	<0.005	<0.002	0.0080	<0.001	<0.005
	Oct-95	0.17	<0.005	0.0026	0.018	<0.001	<0.005
	Nov-95	<0.1	<0.005	<0.002	0.0069	<0.001	<0.005
	Dec-95	0.12	<0.005	<0.002	0.010	<0.001	<0.005
	Jan-96	<0.1	<0.005	<0.002	0.0093	<0.001	<0.005
	Feb-96	<0.1	<0.005	<0.002	0.0094	<0.001	<0.005
	Mar-96	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	Apr-96	<0.1	<0.005	<0.002	0.0090	<0.001	<0.005
	May-96	<0.1	<0.005	<0.002	0.0087	<0.001	<0.005
	Jun-96	<0.1	<0.005	0.0030	0.013	<0.001	<0.005
	Jul-96	<0.1	<0.005	0.0046	0.014	<0.001	0.0073
M8-O	Jul-95	<0.1	<0.005	<0.002	0.0072	<0.001	<0.005
	Aug-95	<0.1	<0.005	<0.002	0.0052	<0.001	<0.005
	Sept-95	<0.1	<0.005	<0.002	<0.005	<0.001	<0.005
	Oct-95	<0.1	<0.005	<0.002	<0.005	<0.001	<0.005
	Nov-95	<0.1	<0.005	<0.002	<0.005	<0.001	<0.005
	Dec-95	0.14	<0.005	<0.002	<0.005	<0.001	<0.005
	Jan-96	<0.1	<0.005	<0.002	<0.005	<0.001	<0.005
	Feb-96	<0.1	<0.005	<0.002	<0.005	<0.001	<0.005
	Mar-96	<0.1	<0.005	<0.002	<0.005	<0.001	<0.005
	Apr-96	<0.1	<0.005	<0.002	<0.005	<0.001	<0.005
	May-96	<0.1	<0.005	<0.002	<0.005	<0.001	<0.005
	Jun-96	<0.1	<0.005	<0.002	<0.005	<0.001	<0.005
M14-GL	Jul-95	<0.1	<0.005	<0.002	0.021	<0.001	<0.005
	Aug-95	<0.1	<0.005	0.0031	0.019	<0.001	<0.005
	Sept-95	<0.1	<0.005	<0.002	0.019	<0.001	<0.005
	Oct-95	<0.1	<0.005	<0.002	0.017	<0.001	<0.005
	Nov-95	<0.1	<0.005	<0.002	0.019	<0.001	<0.005
	Dec-95	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	Jan-96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	Feb-96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	Mar-96	<0.1	<0.005	<0.002	0.022	<0.001	<0.005
	Apr-96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	May-96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	Jun-96	<0.1	0.0051	<0.002	0.021	<0.001	<0.005

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Al	Sb	As	Ba	Be	Cd
M15-GU	Jul-95	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	Aug-95	<0.1	<0.005	0.0030	0.0072	<0.001	<0.005
	Sept-95	<0.1	<0.005	<0.002	0.0082	<0.001	<0.005
	Oct-95	<0.1	<0.005	<0.002	0.0067	<0.001	<0.005
	Nov-95	<0.1	<0.005	<0.002	0.0058	<0.001	<0.005
	Dec-95	<0.1	<0.005	<0.002	0.0074	<0.001	<0.005
	Jan-96	<0.1	<0.005	<0.002	0.0081	<0.001	0.0091
	Feb-96	<0.1	<0.005	0.0043	0.011	<0.001	<0.005
	Mar-96	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	Apr-96	<0.1	<0.005	<0.002	0.0081	<0.001	<0.005
	May-96	<0.1	<0.005	<0.002	0.013	<0.001	<0.005
	Jun-96	<0.1	0.0052	<0.002	0.010	<0.001	<0.005
M16-GU	Jul-95	<0.1	<0.005	<0.002	0.014	<0.001	<0.005
	Aug-95	<0.1	<0.005	<0.002	0.0089	<0.001	<0.005
	Sept-95	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	Oct-95	0.27	<0.005	<0.002	0.012	<0.001	<0.005
	Nov-95	<0.1	<0.005	<0.002	0.0098	<0.001	<0.005
	Dec-95	<0.1	<0.005	<0.002	0.010	<0.001	<0.005
	Jan-96	<0.1	<0.005	<0.002	0.010	<0.001	<0.005
	Feb-96	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	Mar-96	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	Apr-96	<0.1	<0.005	<0.002	0.0085	<0.001	<0.005
	May-96	<0.1	<0.005	<0.002	0.0079	<0.001	<0.005
	Jun-96	<0.1	<0.005	<0.002	0.0098	<0.001	<0.005
M17-GL	05 29 96	<0.1	<0.005	<0.002	0.047	<0.001	<0.005
	06 13 96	<0.1	<0.005	<0.002	0.045	<0.001	<0.005
	07 11 96	<0.1	<0.005	0.0022	0.038	<0.001	<0.005
	08 22 96	0.11	<0.005	<0.002	0.038	<0.001	<0.005
	09 11 96	<0.1	<0.005	<0.002	0.027	<0.001	<0.005
	10 10 96	<0.1	<0.005	<0.002	0.024	<0.001	<0.005
	11 14 96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	12 19 96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	01 23 97	<0.1	<0.005	<0.002	0.016	<0.001	<0.005
	02 12 97	<0.1	<0.005	<0.002	0.014	<0.001	<0.005
	03 26 97	<0.1	<0.005	<0.002	0.017	<0.001	<0.005
	04 16 97	<0.1	<0.005	<0.002	0.016	<0.001	<0.005
M18-GU	Jul-95	<0.1	<0.005	<0.002	0.043	<0.001	<0.005
	Aug-95	<0.1	<0.005	<0.002	0.043	<0.001	<0.005
	Sept-95	<0.1	<0.005	<0.002	0.046	<0.001	<0.005
	Oct-95	<0.1	<0.005	<0.002	0.039	<0.001	<0.005
	Nov-95	<0.1	<0.005	<0.002	0.043	<0.001	<0.005
	Dec-95	<0.1	<0.005	<0.002	0.045	<0.001	<0.005
	Jan-96	<0.1	<0.005	<0.002	0.041	<0.001	<0.005
	Feb-96	<0.1	<0.005	<0.002	0.043	<0.001	<0.005
	Mar-96	<0.1	<0.005	<0.002	0.042	<0.001	<0.005
	Apr-96	<0.1	<0.005	<0.002	0.041	<0.001	<0.005
	May-96	<0.1	<0.005	<0.002	0.040	<0.001	<0.005
	Jun-96	<0.1	<0.005	<0.002	0.044	<0.001	<0.005

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Al	Sb	As	Ba	Be	Cd
M19-LBF	05 09 96	<0.1	<0.005	<0.002	0.037	<0.001	<0.005
	06 12 96	<0.1	<0.005	<0.002	0.045	<0.001	<0.005
	07 10 96	<0.1	<0.005	0.0027	0.044	<0.001	<0.005
	08 07 96	<0.1	<0.005	<0.002	0.036	<0.001	<0.005
	09 10 96	<0.1	<0.005	<0.002	0.041	<0.001	<0.005
	10 08 96	<0.1	<0.005	<0.002	0.042	<0.001	<0.005
	11 12 96	<0.1	<0.005	<0.002	0.043	<0.001	<0.005
	12 17 96	<0.1	<0.005	<0.002	0.042	<0.001	<0.005
	01 21 97	<0.1	<0.005	0.0023	0.043	<0.001	<0.005
	02 10 97	<0.1	<0.005	<0.002	0.044	<0.001	<0.005
	03 24 97	<0.1	<0.005	<0.002	0.044	<0.001	<0.005
	04 14 97	<0.1	<0.005	<0.002	0.042	<0.001	<0.005
M20-O	05 09 96	<0.1	<0.005	<0.002	0.052	<0.001	<0.005
	06 12 96	<0.1	<0.005	<0.002	0.032	<0.001	<0.005
	07 10 96	<0.1	<0.005	<0.002	0.021	<0.001	0.0057
	08 22 96	<0.1	<0.005	<0.002	0.0082	<0.001	<0.005
	09 11 96	<0.1	<0.005	<0.002	0.016	<0.001	<0.005
	10 10 96	<0.1	<0.005	<0.002	0.013	<0.001	<0.005
	11 14 96	<0.1	<0.005	<0.002	0.013	<0.001	<0.005
	12 19 96	<0.1	<0.005	<0.002	0.016	<0.001	<0.005
	01 23 97	<0.1	<0.005	<0.002	0.013	<0.001	<0.005
	02 12 97	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	03 26 97	<0.1	<0.005	<0.002	0.014	<0.001	<0.005
	04 16 97	<0.1	<0.005	<0.002	0.013	<0.001	<0.005
M21-UBF	05 09 96	<0.1	0.0064	<0.002	0.11	<0.001	<0.005
	06 12 96	<0.1	<0.005	<0.002	0.12	<0.001	<0.005
	07 10 96	<0.1	<0.005	0.0025	0.11	<0.001	<0.005
	08 07 96	<0.1	<0.005	<0.002	0.12	<0.001	<0.005
	09 10 96	<0.1	<0.005	<0.002	0.12	<0.001	<0.005
	10 08 96	<0.1	<0.005	<0.002	0.11	<0.001	<0.005
	11 12 96	<0.1	<0.005	<0.002	0.11	<0.001	0.0055
	12 17 96	<0.1	<0.005	<0.002	0.13	<0.001	<0.005
	01 21 97	<0.1	<0.005	0.0023	0.11	<0.001	<0.005
	02 10 97	<0.1	<0.005	<0.002	0.11	<0.001	<0.005
	03 24 97	<0.1	<0.005	<0.002	0.12	<0.001	<0.005
	04 14 97	<0.1	<0.005	<0.002	0.11	<0.001	<0.005
M22-O	05 28 96	<0.1	<0.005	<0.002	0.028	<0.001	<0.005
	06 17 96	<0.1	0.0065	<0.002	0.022	<0.001	<0.005
	07 18 96	<0.1	<0.005	<0.002	0.021	<0.001	0.018
	08 07 96	0.23	<0.005	<0.002	0.014	<0.001	<0.005
	09 10 96	<0.1	<0.005	<0.002	0.014	<0.001	<0.005
	10 08 96	<0.1	<0.005	<0.002	0.014	<0.001	<0.005
	11 12 96	<0.1	<0.005	<0.002	0.013	<0.001	0.0078
	12 17 96	<0.1	<0.005	<0.002	0.012	<0.001	<0.005
	01 21 97	<0.1	<0.005	<0.002	0.012	<0.001	<0.005
	02 10 97	<0.1	<0.005	<0.002	0.012	<0.001	0.0077
	03 24 97	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	04 14 97	<0.1	<0.005	<0.002	0.010	<0.001	<0.005

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Al	Sb	As	Ba	Be	Cd
M23-UBF	05 23 96	<0.1	<0.005	<0.002	0.10	<0.001	<0.005
	06 17 96	<0.1	<0.005	<0.002	0.096	<0.001	<0.005
	07 18 96	<0.1	<0.005	<0.002	0.091	<0.001	0.020
	08 07 96	<0.1	<0.005	<0.002	0.089	<0.001	<0.005
	09 10 96	<0.1	<0.005	<0.002	0.086	<0.001	<0.005
	10 08 96	<0.1	<0.005	<0.002	0.087	<0.001	<0.005
	11 12 96	<0.1	<0.005	<0.002	0.087	<0.001	0.0097
	12 17 96	<0.1	<0.005	<0.002	0.090	<0.001	<0.005
	01 21 97	<0.1	<0.005	0.0038	0.091	<0.001	<0.005
	02 10 97	<0.1	<0.005	<0.002	0.091	<0.001	<0.005
	03 24 97	<0.1	<0.005	<0.002	0.084	<0.001	<0.005
	04 14 97	<0.1	<0.005	<0.002	0.090	<0.001	<0.005
M24-O	05 28 96	<0.1	<0.005	<0.002	0.013	<0.001	<0.005
	06 13 96	<0.1	<0.005	<0.002	0.010	<0.001	<0.005
	07 11 96	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	08 22 96	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	09 11 96	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	10 10 96	<0.1	<0.005	<0.002	0.0091	<0.001	<0.005
	11 14 96	<0.1	<0.005	<0.002	0.0078	<0.001	<0.005
	12 19 96	<0.1	<0.005	<0.002	0.010	<0.001	<0.005
	01 23 97	<0.1	<0.005	<0.002	0.0085	<0.001	<0.005
	02 12 97	<0.1	<0.005	<0.002	0.0074	<0.001	<0.005
	03 26 97	<0.1	<0.005	<0.002	0.0087	<0.001	<0.005
	04 16 97	<0.1	<0.005	<0.002	0.0099	<0.001	<0.005
M25-UBF	05 28 96	<0.1	<0.005	<0.002	0.085	<0.001	<0.005
	06 13 96	<0.1	<0.005	<0.002	0.087	<0.001	<0.005
	07 11 96	<0.1	<0.005	<0.002	0.071	<0.001	<0.005
	08 22 96	0.12	<0.005	<0.002	0.075	<0.001	<0.005
	09 11 96	<0.1	<0.005	<0.002	0.062	<0.001	<0.005
	10 10 96	<0.1	<0.005	<0.002	0.068	<0.001	<0.005
	11 14 96	<0.1	<0.005	<0.002	0.054	<0.001	<0.005
	12 19 96	<0.1	<0.005	<0.002	0.075	<0.001	<0.005
	01 23 97	<0.1	<0.005	<0.002	0.067	<0.001	<0.005
	02 12 97	<0.1	<0.005	<0.002	0.054	<0.001	<0.005
	03 26 97	<0.1	<0.005	<0.002	0.085	<0.001	<0.005
	04 16 97	<0.1	<0.005	<0.002	0.090	<0.001	<0.005
M26-O	05 15 96	<0.1	0.0056	<0.002	0.015	<0.001	<0.005
	06 14 96	<0.1	<0.005	<0.002	0.014	<0.001	<0.005
	07 16 96	<0.1	<0.005	<0.002	0.012	<0.001	<0.005
	08 08 96	<0.1	<0.005	<0.002	0.0065	<0.001	<0.005
	09 16 96	<0.1	<0.005	<0.002	0.0096	<0.001	<0.005
	10 09 96	<0.1	<0.005	<0.002	0.0079	<0.001	<0.005
	11 13 96	<0.1	<0.005	<0.002	0.0081	<0.001	<0.005
	12 18 96	<0.1	<0.005	<0.002	0.0089	<0.001	<0.005
	01 22 97	<0.1	<0.005	<0.002	0.0067	<0.001	<0.005
	02 11 97	<0.1	<0.005	0.0028	0.0054	<0.001	<0.005
	03 25 97	<0.1	<0.005	0.0031	0.0068	<0.001	<0.005
	04 15 97	<0.1	<0.005	<0.002	0.0063	<0.001	<0.005

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Al	Sb	As	Ba	Be	Cd
M27-LBF	05 15 96	<0.1	<0.005	0.0031	0.056	<0.001	<0.005
	06 14 96	<0.1	<0.005	0.0021	0.050	<0.001	<0.005
	07 16 96	<0.1	<0.005	<0.002	0.043	<0.001	<0.005
	08 08 96	<0.1	<0.005	0.0021	0.035	<0.001	<0.005
	09 16 96	<0.1	<0.005	<0.002	0.037	<0.001	<0.005
	10 09 96	<0.1	<0.005	<0.002	0.037	<0.001	<0.005
	11 13 96	<0.1	<0.005	<0.002	0.036	<0.001	<0.005
	12 18 96	<0.1	<0.005	<0.002	0.035	<0.001	<0.005
	01 22 97	<0.1	<0.005	<0.002	0.033	<0.001	<0.005
	02 11 97	<0.1	<0.005	0.0023	0.031	<0.001	<0.005
	03 25 97	<0.1	<0.005	<0.002	0.030	<0.001	<0.005
	04 15 97	<0.1	<0.005	<0.002	0.032	<0.001	<0.005
M28-LBF	05 15 96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	06 14 96	<0.1	<0.005	<0.002	0.021	<0.001	<0.005
	07 16 96	<0.1	<0.005	<0.002	0.019	<0.001	<0.005
	08 08 96	<0.1	<0.005	<0.002	0.013	<0.001	<0.005
	09 16 96	<0.1	<0.005	<0.002	0.017	<0.001	<0.005
	10 09 96	<0.1	<0.005	<0.002	0.015	<0.001	<0.005
	11 13 96	<0.1	<0.005	<0.002	0.014	<0.001	<0.005
	12 18 96	<0.1	<0.005	<0.002	0.014	<0.001	<0.005
	01 22 97	<0.1	<0.005	0.0021	0.013	<0.001	<0.005
	02 11 97	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	03 25 97	<0.1	<0.005	<0.002	0.012	<0.001	<0.005
	04 15 97	<0.1	<0.005	<0.002	0.010	<0.001	<0.005
M29-UBF	05 15 96	<0.1	<0.005	0.0045	0.11	<0.001	<0.005
	06 14 96	<0.1	<0.005	<0.002	0.11	<0.001	<0.005
	07 16 96	<0.1	<0.005	<0.002	0.11	<0.001	<0.005
	08 08 96	<0.1	<0.005	<0.002	0.11	<0.001	<0.005
	09 16 96	<0.1	<0.005	0.0022	0.11	<0.001	<0.005
	10 09 96	<0.1	<0.005	<0.002	0.11	<0.001	<0.005
	11 13 96	<0.1	<0.005	<0.002	0.11	<0.001	<0.005
	12 18 96	<0.1	<0.005	<0.002	0.10	<0.001	<0.005
	01 22 97	<0.1	<0.005	<0.002	0.11	<0.001	<0.005
	02 11 97	<0.1	<0.005	0.0024	0.11	<0.001	<0.005
	03 25 97	<0.1	<0.005	0.0021	0.11	<0.001	<0.005
	04 15 97	<0.1	<0.005	<0.002	0.11	<0.001	<0.005
M30-O	05 21 96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	06 13 96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	07 11 96	<0.1	<0.005	<0.002	0.021	<0.001	<0.005
	08 19 96	<0.1	<0.005	<0.002	0.021	<0.001	<0.005
	09 16 96	<0.1	<0.005	<0.002	0.019	<0.001	<0.005
	10 09 96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	11 13 96	<0.1	<0.005	<0.002	0.019	<0.001	<0.005
	12 18 96	<0.1	<0.005	<0.002	0.020	<0.001	<0.005
	01 22 97	<0.1	<0.005	<0.002	0.018	<0.001	<0.005
	02 11 97	<0.1	<0.005	<0.002	0.018	<0.001	<0.005
	03 25 97	<0.1	<0.005	<0.002	0.017	<0.001	<0.005
	04 15 97	<0.1	<0.005	<0.002	0.018	<0.001	<0.005

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Al	Sb	As	Ba	Be	Cd
M31-LBF	05 21 96	<0.1	<0.005	0.016	0.069	<0.001	<0.005
	06 13 96	<0.1	<0.005	<0.002	0.067	<0.001	<0.005
	07 11 96	<0.1	<0.005	0.0027	0.065	<0.001	<0.005
	08 19 96	<0.1	<0.005	0.0029	0.064	<0.001	<0.005
	09 16 96	<0.1	<0.005	<0.002	0.058	<0.001	<0.005
	10 09 96	<0.1	<0.005	<0.002	0.061	<0.001	<0.005
	11 13 96	<0.1	<0.005	<0.002	0.060	<0.001	<0.005
	12 18 96	<0.1	<0.005	<0.002	0.060	<0.001	<0.005
	01 22 97	<0.1	<0.005	<0.002	0.060	<0.001	<0.005
	02 11 97	<0.1	<0.005	<0.002	0.058	<0.001	<0.005
	03 25 97	<0.1	<0.005	<0.002	0.056	<0.001	<0.005
	04 15 97	<0.1	<0.005	<0.002	0.055	<0.001	<0.005
M32-UBF	05 21 96	<0.1	<0.005	0.0021	0.14	<0.001	<0.005
	06 12 96	<0.1	<0.005	<0.002	0.13	<0.001	<0.005
	07 10 96	<0.1	<0.005	0.0027	0.14	<0.001	<0.005
	08 22 96	0.22	<0.005	0.0021	0.12	<0.001	<0.005
	09 09 96	<0.1	<0.005	0.0023	0.13	<0.001	<0.005
	10 07 96	<0.1	<0.005	<0.002	0.12	<0.001	0.0050
	11 11 96	<0.1	<0.005	<0.002	0.12	<0.001	<0.005
	12 16 96	<0.1	<0.005	0.0030	0.12	<0.001	<0.005
	01 23 97	<0.1	<0.005	0.0024	0.11	<0.001	<0.005
	02 10 97	<0.1	<0.005	0.0029	0.12	<0.001	<0.005
	03 24 97	<0.1	<0.005	0.0024	0.11	<0.001	<0.005
	04 14 97	<0.1	<0.005	0.0026	0.11	<0.001	<0.005
M33-UBF	05 21 96	<0.1	0.010	0.0027	0.12	<0.001	<0.005
	06 12 96	<0.1	<0.005	0.0029	0.11	<0.001	<0.005
	07 10 96	<0.1	<0.005	0.0040	0.13	<0.001	<0.005
	08 22 96	<0.1	<0.005	0.0024	0.12	<0.001	<0.005
	09 09 96	<0.1	<0.005	0.0029	0.12	<0.001	<0.005
	10 07 96	<0.1	<0.005	<0.002	0.11	<0.001	<0.005
	11 11 96	<0.1	<0.005	<0.002	0.12	<0.001	<0.005
	12 16 96	<0.1	<0.005	0.0033	0.12	<0.001	<0.005
	01 23 97	<0.1	<0.005	0.0023	0.12	<0.001	<0.005
	02 10 97	<0.1	<0.005	<0.002	0.13	<0.001	0.0090
	03 25 97	<0.1	<0.005	0.0029	0.13	<0.001	<0.005
	04 14 97	<0.1	<0.005	0.0024	0.13	<0.001	<0.005
P19-1-O	01 19 96	<0.1	<0.005	<0.002	0.016	<0.001	<0.005
	02 15 96	<0.1	<0.005	0.0020	0.015	<0.001	<0.005
	03 14 96	<0.1	<0.005	<0.002	0.015	<0.001	<0.005
	04 10 96	<0.1	<0.005	<0.002	0.014	<0.001	<0.005
	05 07 96	<0.1	<0.005	<0.002	0.016	<0.001	<0.005
	06 14 96	<0.1	<0.005	<0.002	0.015	<0.001	<0.005
	07 16 96	<0.1	<0.005	<0.002	0.015	<0.001	<0.005
	08 08 96	<0.1	<0.005	<0.002	0.0092	<0.001	<0.005
	09 11 96	<0.1	<0.005	<0.002	0.015	<0.001	<0.005
	10 10 96	<0.1	<0.005	<0.002	0.013	<0.001	<0.005
	11 14 96	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	12 19 96	<0.1	<0.005	<0.002	0.014	<0.001	<0.005

Table 2. Alert Levels for Trace Metals

Well	Sample Date	Analyte (mg/l)					
		Al	Sb	As	Ba	Be	Cd
O19-GL	01 19 96	<0.1	<0.005	0.0072	0.040	<0.001	<0.005
	02 15 96	<0.1	<0.005	0.0020	0.034	<0.001	<0.005
	03 14 96	<0.1	<0.005	<0.002	0.032	<0.001	<0.005
	04 10 96	<0.1	<0.005	<0.002	0.038	<0.001	<0.005
	05 07 96	<0.1	<0.005	<0.002	0.031	<0.001	<0.005
	06 14 96	<0.1	<0.005	<0.002	0.035	<0.001	<0.005
	07 16 96	<0.1	<0.005	<0.002	0.032	<0.001	<0.005
	08 08 96	<0.1	<0.005	<0.002	0.027	<0.001	<0.005
	09 11 96	<0.1	<0.005	<0.002	0.034	<0.001	<0.005
	10 10 96	<0.1	<0.005	<0.002	0.034	<0.001	<0.005
	11 14 96	<0.1	<0.005	<0.002	0.031	<0.001	<0.005
	12 19 96	<0.1	<0.005	<0.002	0.035	<0.001	<0.005
P49-O	01 16 96	<0.1	<0.005	<0.002	0.0080	<0.001	<0.005
	02 12 96	<0.1	<0.005	<0.002	0.0087	0.0012	<0.005
	03 11 96	0.17	<0.005	<0.002	0.0092	<0.001	<0.005
	04 22 96	<0.1	<0.005	<0.002	0.0076	<0.001	<0.005
	05 09 96	<0.1	<0.005	<0.002	0.0067	<0.001	<0.005
	06 11 96	<0.1	<0.005	<0.002	0.0074	<0.001	<0.005
	07 17 96	<0.1	<0.005	<0.002	0.0063	<0.001	0.016
	08 19 96	<0.1	<0.005	<0.002	0.0081	<0.001	<0.005
	09 16 96	<0.1	<0.005	<0.002	<0.005	<0.001	<0.005
	10 07 96	<0.1	<0.005	<0.002	0.0053	<0.001	<0.005
	11 11 96	<0.1	<0.005	<0.002	0.0071	<0.001	<0.005
	12 16 96	<0.1	<0.005	<0.002	0.0055	<0.001	<0.005
O49-GL	01 16 96	<0.1	<0.005	<0.002	0.017	<0.001	<0.005
	02 12 96	<0.1	<0.005	<0.002	0.015	<0.001	<0.005
	03 11 96	<0.1	<0.005	<0.002	0.017	<0.001	<0.005
	04 18 96	<0.1	<0.005	<0.002	0.010	<0.001	<0.005
	05 09 96	<0.1	<0.005	0.0021	0.0097	<0.001	<0.005
	06 11 96	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	07 17 96	<0.1	<0.005	<0.002	0.010	<0.001	0.018
	08 19 96	<0.1	<0.005	0.0022	0.011	<0.001	<0.005
	09 09 96	<0.1	<0.005	<0.002	0.0083	<0.001	<0.005
	10 07 96	<0.1	<0.005	<0.002	0.0087	<0.001	<0.005
	11 11 96	<0.1	<0.005	<0.002	0.011	<0.001	<0.005
	12 16 96	<0.1*	<0.005*	<0.002*	0.012*	<0.001*	<0.005*
Mean		-0.272	-0.00140	-0.000721	0.0370	-0.00133	-0.0156
Standard Deviation		0.228	0.00393	0.00269	0.0378	0.00155	0.0129
Initial Alert Level		0.71	0.016	0.011	0.20	0.0053	0.040
Standard (AWQS or 2nd DW)		0.2	0.006	0.05	2	0.004	0.005
Reporting Limit		0.1	0.005	0.002	0.005	0.001	0.005
Midpoint (RL and Standard)		0.15	0.0055	0.026	1.0	0.0025	0.0050
Final Alert Level**		0.71	0.016	0.026	1.0	0.0053	0.040
**Greater of initial AL or midpoint							
Prediction limit factor = 4.30							
*Value not used in alert level calculations due to loss of well integrity							

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Cr	Co	Cu	Fe	Pb	Mn
M1-GL	Jul-95	<0.005	<0.04	<0.02	<0.04	<0.002	0.010
	Aug-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Sept-95	0.0031	<0.04	<0.02	0.042	<0.002	<0.01
	Oct-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Nov-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Dec-95	<0.005	<0.04	<0.02	0.16	<0.002	<0.01
	Jan-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Feb-96	<0.005	<0.04	<0.02	0.091	<0.002	0.065
	Mar-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Apr-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	May-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Jun-96	0.0098	<0.04	<0.02	<0.04	<0.002	<0.01
M2-GU	Jun-95	<0.005	<0.04	<0.02	<0.04	0.0052	<0.01
	Jul-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Aug-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Sept-95	<0.005	<0.04	<0.02	0.11	<0.002	<0.01
	Oct-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Nov-95	<0.005	<0.04	<0.02	0.067	<0.002	<0.01
	Dec-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Jan-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Feb-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Mar-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Apr-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	May-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
M3-GL	Jun-95	<0.005	<0.04	<0.02	0.057	0.0044	<0.01
	Jul-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Aug-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Sept-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Oct-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Nov-95	0.0052	<0.04	<0.02	<0.04	<0.002	<0.01
	Dec-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Jan-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Feb-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Mar-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Apr-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	May-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
M4-O	Jun-95	<0.005	<0.04	<0.02	0.058	0.0038	<0.01
	Jul-95	<0.005	<0.04	<0.02	<0.04	<0.002	0.022
	Aug-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Sept-95	<0.005	<0.04	<0.02	0.058	<0.002	0.011
	Oct-95	<0.005	<0.04	<0.02	<0.04	<0.002	0.015
	Nov-95	0.0051	<0.04	<0.02	0.040	<0.002	0.016
	Dec-95	<0.005	<0.04	<0.02	<0.04	<0.002	0.025
	Jan-96	<0.005	<0.04	<0.02	<0.04	<0.002	0.020
	Feb-96	<0.005	<0.04	<0.02	<0.04	<0.002	0.014
	Mar-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Apr-96	<0.005	<0.04	<0.02	<0.04	<0.002	0.016
	May-96	<0.005	<0.04	<0.02	<0.04	<0.002	0.013

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Cr	Co	Cu	Fe	Pb	Mn
M6-GU	Jul-95	0.012	<0.04	<0.02	0.043	<0.002	0.040
	Aug-95	0.0069	<0.04	<0.02	<0.04	<0.002	0.022
	Sept-95	0.0086	<0.04	<0.02	<0.04	<0.002	0.021
	Oct-95	0.0089	<0.04	<0.02	0.069	<0.002	0.020
	Nov-95	0.010	<0.04	<0.02	0.24	0.0024	0.021
	Dec-95	0.0077	<0.04	<0.02	0.16	0.0025	0.015
	Jan-96	0.031	<0.04	<0.02	<0.04	<0.002	0.013
	Feb-96	0.0063	<0.04	<0.02	<0.04	<0.002	0.013
	Mar-96	0.010	<0.04	<0.02	<0.04	<0.002	0.014
	Apr-96	0.0053	<0.04	<0.02	<0.04	<0.002	<0.01
	May-96	0.0064	<0.04	<0.02	<0.04	<0.002	<0.01
	Jun-96	0.0088	<0.04	<0.02	<0.04	<0.002	<0.01
M7-GL	Aug-95	<0.005	<0.04	<0.02	0.042	<0.002	0.010
	Sept-95	<0.005	<0.04	<0.02	6.2	0.0041	0.17
	Oct-95	<0.005	<0.04	<0.02	0.15	<0.002	<0.01
	Nov-95	<0.005	<0.04	<0.02	0.14	<0.002	<0.01
	Dec-95	<0.005	<0.04	<0.02	0.20	0.0029	<0.01
	Jan-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Feb-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Mar-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Apr-96	0.0051	<0.04	<0.02	0.080	<0.002	<0.01
	May-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Jun-96	0.0064	<0.04	<0.02	<0.04	<0.002	<0.01
	Jul-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
M8-O	Jul-95	<0.005	<0.04	<0.02	0.20	<0.002	0.019
	Aug-95	0.014	<0.04	<0.02	0.078	<0.002	0.011
	Sept-95	0.012	<0.04	<0.02	<0.04	<0.002	<0.01
	Oct-95	0.0076	<0.04	<0.02	0.068	<0.002	<0.01
	Nov-95	0.0091	<0.04	<0.02	0.053	<0.002	<0.01
	Dec-95	0.0058	<0.04	<0.02	0.16	<0.002	<0.01
	Jan-96	0.0098	<0.04	<0.02	<0.04	<0.002	<0.01
	Feb-96	0.0093	<0.04	<0.02	<0.04	<0.002	<0.01
	Mar-96	0.0092	<0.04	<0.02	<0.04	<0.002	<0.01
	Apr-96	0.0073	<0.04	<0.02	<0.04	<0.002	<0.01
	May-96	0.010	<0.04	<0.02	<0.04	<0.002	<0.01
	Jun-96	0.019	<0.04	<0.02	<0.04	<0.002	<0.01
M14-GL	Jul-95	<0.005	<0.04	<0.02	<0.04	<0.002	0.025
	Aug-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Sept-95	0.0038	<0.04	<0.02	0.042	<0.002	<0.01
	Oct-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Nov-95	<0.005	<0.04	<0.02	<0.04	<0.002	0.015
	Dec-95	<0.005	<0.04	<0.02	<0.04	<0.002	0.010
	Jan-96	<0.005	<0.04	<0.02	<0.04	<0.002	0.013
	Feb-96	<0.005	<0.04	<0.02	<0.04	<0.002	0.044
	Mar-96	<0.005	<0.04	<0.02	0.049	<0.002	0.054
	Apr-96	<0.005	<0.04	<0.02	<0.04	<0.002	0.044
	May-96	<0.005	<0.04	0.023	<0.04	<0.002	0.047
	Jun-96	0.0078	<0.04	<0.02	<0.04	<0.002	0.026

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Cr	Co	Cu	Fe	Pb	Mn
M15-GU	Jul-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Aug-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Sept-95	0.0026	<0.04	<0.02	0.048	<0.002	<0.01
	Oct-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Nov-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Dec-95	0.014	<0.04	<0.02	<0.04	<0.002	<0.01
	Jan-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Feb-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Mar-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Apr-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	May-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Jun-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
M16-GU	Jul-95	<0.005	<0.04	<0.02	0.10	<0.002	0.060
	Aug-95	<0.005	<0.04	<0.02	0.17	<0.002	0.026
	Sept-95	0.0012	<0.04	<0.02	0.17	<0.002	0.024
	Oct-95	<0.005	<0.04	<0.02	0.33	<0.002	0.031
	Nov-95	<0.005	<0.04	<0.02	0.20	<0.002	0.025
	Dec-95	<0.005	<0.04	<0.02	0.16	<0.002	0.024
	Jan-96	<0.005	<0.04	<0.02	0.15	<0.002	0.021
	Feb-96	<0.005	<0.04	<0.02	0.15	<0.002	0.021
	Mar-96	<0.005	<0.04	<0.02	0.14	<0.002	0.019
	Apr-96	<0.005	<0.04	<0.02	0.11	<0.002	0.017
	May-96	<0.005	<0.04	<0.02	0.12	<0.002	0.016
	Jun-96	<0.005	<0.04	<0.02	0.083	<0.002	0.018
M17-GL	05 29 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.068
	06 13 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.070
	07 11 96	<0.005	<0.04	<0.02	0.086	<0.002	0.056
	08 22 96	<0.005	<0.04	0.044	<0.04	<0.002	0.051
	09 11 96	<0.005	<0.04	<0.02	<0.04	0.0021	0.036
	10 10 96	<0.005	<0.04	<0.02	0.053	<0.002	0.032
	11 14 96	<0.005	<0.04	<0.02	0.064	<0.002	0.026
	12 19 96	<0.005	<0.04	<0.02	0.048	<0.002	0.019
	01 23 97	0.033	<0.04	<0.02	0.049	<0.002	0.012
	02 12 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	03 26 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	04 16 97	<0.005	<0.04	<0.02	0.043	<0.002	<0.01
M18-GU	Jul-95	<0.005	<0.04	<0.02	<0.04	<0.002	0.020
	Aug-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Sept-95	0.0028	<0.04	<0.02	<0.04	<0.002	0.011
	Oct-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Nov-95	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Dec-95	<0.005	<0.04	<0.02	0.16	<0.002	<0.01
	Jan-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Feb-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Mar-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	Apr-96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	May-96	<0.005	<0.04	<0.02	0.055	<0.002	<0.01
	Jun-96	0.010	<0.04	<0.02	<0.04	<0.002	<0.01

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Cr	Co	Cu	Fe	Pb	Mn
M19-LBF	05 09 96	<0.005	<0.04	<0.02	0.046	0.0035	0.084
	06 12 96	0.0089	<0.04	<0.02	0.061	<0.002	0.14
	07 10 96	<0.005	<0.04	<0.02	0.049	<0.002	0.11
	08 07 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.080
	09 10 96	<0.005	<0.04	<0.02	0.057	<0.002	0.086
	10 08 96	<0.005	<0.04	<0.02	0.058	<0.002	0.077
	11 12 96	<0.005	<0.04	<0.02	0.068	<0.002	0.081
	12 17 96	<0.005	<0.04	<0.02	0.12	<0.002	0.082
	01 21 97	<0.005	<0.04	<0.02	0.11	<0.002	0.072
	02 10 97	<0.005	<0.04	<0.02	0.10	0.0041	0.073
	03 24 97	<0.005	<0.04	<0.02	0.063	<0.002	0.083
	04 14 97	<0.005	<0.04	<0.02	0.065	<0.002	0.075
M20-O	05 09 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	06 12 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.014
	07 10 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	08 22 96	<0.005	<0.04	<0.02	0.25	<0.002	0.043
	09 11 96	<0.005	<0.04	<0.02	0.59	<0.002	0.066
	10 10 96	<0.005	<0.04	<0.02	1.5	<0.002	0.13
	11 14 96	<0.005	<0.04	<0.02	1.3	<0.002	0.12
	12 19 96	<0.005	<0.04	<0.02	1.2	<0.002	0.099
	01 23 97	<0.005	<0.04	<0.02	1.2	<0.002	0.093
	02 12 97	<0.005	<0.04	<0.02	1.3	<0.002	0.097
	03 26 97	<0.005	<0.04	<0.02	1.1	<0.002	0.092
	04 16 97	<0.005	<0.04	<0.02	1.7	<0.002	0.13
M21-UBF	05 09 96	<0.005	<0.04	<0.02	0.055	<0.002	<0.01
	06 12 96	<0.005	<0.04	<0.02	0.12	<0.002	<0.01
	07 10 96	<0.005	<0.04	<0.02	0.079	<0.002	<0.01
	08 07 96	0.0071	<0.04	<0.02	<0.04	<0.002	<0.01
	09 10 96	<0.005	<0.04	<0.02	0.055	<0.002	<0.01
	10 08 96	<0.005	<0.04	<0.02	0.043	<0.002	<0.01
	11 12 96	<0.005	<0.04	<0.02	0.094	<0.002	<0.01
	12 17 96	<0.005	<0.04	<0.02	0.27	<0.002	<0.01
	01 21 97	<0.005	<0.04	<0.02	0.23	<0.002	<0.01
	02 10 97	<0.005	<0.04	<0.02	0.058	0.0025	<0.01
	03 24 97	<0.005	<0.04	<0.02	0.040	<0.002	<0.01
	04 14 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
M22-O	05 28 96	<0.005	<0.04	<0.02	0.072	<0.002	0.010
	06 17 96	0.092	<0.04	<0.02	0.10	<0.002	<0.01
	07 18 96	<0.005	<0.04	<0.02	0.12	<0.002	<0.01
	08 07 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	09 10 96	<0.005	<0.04	<0.02	0.088	<0.002	<0.01
	10 08 96	<0.005	<0.04	<0.02	0.060	<0.002	<0.01
	11 12 96	<0.005	<0.04	<0.02	0.34	<0.002	<0.01
	12 17 96	<0.005	<0.04	<0.02	0.088	<0.002	<0.01
	01 21 97	<0.005	<0.04	<0.02	0.11	<0.002	<0.01
	02 10 97	<0.005	<0.04	<0.02	0.056	<0.002	<0.01
	03 24 97	<0.005	<0.04	<0.02	0.062	<0.002	<0.01
	04 14 97	<0.005	<0.04	<0.02	0.076	<0.002	<0.01

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Cr	Co	Cu	Fe	Pb	Mn
M23-UBF	05 23 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	06 17 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	07 18 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	08 07 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	09 10 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	10 08 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	11 12 96	<0.005	<0.04	<0.02	0.073	<0.002	<0.01
	12 17 96	<0.005	<0.04	<0.02	0.22	<0.002	<0.01
	01 21 97	<0.005	<0.04	<0.02	0.18	<0.002	<0.01
	02 10 97	<0.005	<0.04	<0.02	0.045	0.0061	<0.01
	03 24 97	<0.005	<0.04	<0.02	0.074	<0.002	<0.01
	04 14 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
M24-O	05 28 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.032
	06 13 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.023
	07 11 96	<0.005	<0.04	<0.02	0.13	<0.002	0.020
	08 22 96	<0.005	<0.04	0.041	0.053	<0.002	0.016
	09 11 96	<0.005	<0.04	<0.02	0.045	<0.002	0.015
	10 10 96	<0.005	<0.04	<0.02	0.048	<0.002	0.013
	11 14 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.011
	12 19 96	<0.005	<0.04	<0.02	0.14	<0.002	0.015
	01 23 97	<0.005	<0.04	<0.02	0.13	0.0035	0.011
	02 12 97	<0.005	<0.04	<0.02	<0.04	<0.002	0.011
	03 26 97	<0.005	<0.04	<0.02	<0.04	<0.002	0.011
	04 16 97	<0.005	<0.04	<0.02	<0.04	<0.002	0.013
M25-UBF	05 28 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	06 13 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	07 11 96	<0.005	<0.04	<0.02	0.15	<0.002	<0.01
	08 22 96	<0.005	<0.04	0.033	<0.04	<0.002	<0.01
	09 11 96	<0.005	<0.04	<0.02	0.047	<0.002	<0.01
	10 10 96	<0.005	<0.04	<0.02	0.059	<0.002	<0.01
	11 14 96	<0.005	<0.04	<0.02	0.050	<0.002	<0.01
	12 19 96	<0.005	<0.04	<0.02	0.18	<0.002	<0.01
	01 23 97	<0.005	<0.04	<0.02	0.16	<0.002	<0.01
	02 12 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	03 26 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	04 16 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
M26-O	05 15 96	<0.005	<0.04	0.025	0.050	<0.002	0.010
	06 14 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.011
	07 16 96	<0.005	<0.04	<0.02	0.25	<0.002	0.011
	08 08 96	0.0053	<0.04	<0.02	0.081	<0.002	<0.01
	09 16 96	0.0057	<0.04	<0.02	0.091	<0.002	<0.01
	10 09 96	<0.005	<0.04	<0.02	0.085	<0.002	<0.01
	11 13 96	<0.005	<0.04	<0.02	0.059	<0.002	<0.01
	12 18 96	0.0077	<0.04	<0.02	0.051	<0.002	<0.01
	01 22 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	02 11 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	03 25 97	<0.005	<0.04	<0.02	0.061	<0.002	<0.01
	04 15 97	0.0080	<0.04	<0.02	<0.04	0.0036	<0.01

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Cr	Co	Cu	Fe	Pb	Mn
M27-LBF	05 15 96	<0.005	<0.04	0.022	<0.04	<0.002	<0.01
	06 14 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	07 16 96	<0.005	<0.04	<0.02	0.16	<0.002	<0.01
	08 08 96	<0.005	<0.04	<0.02	0.14	<0.002	<0.01
	09 16 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	10 09 96	0.0075	<0.04	<0.02	0.048	<0.002	<0.01
	11 13 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	12 18 96	<0.005	<0.04	<0.02	0.13	<0.002	<0.01
	01 22 97	<0.005	<0.04	<0.02	0.14	<0.002	<0.01
	02 11 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	03 25 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	04 15 97	<0.005	<0.04	<0.02	<0.04	0.0029	<0.01
M28-LBF	05 15 96	<0.005	<0.04	0.021	<0.04	<0.002	<0.01
	06 14 96	<0.005	<0.04	<0.02	0.056	<0.002	0.012
	07 16 96	<0.005	<0.04	<0.02	0.093	<0.002	0.011
	08 08 96	<0.005	<0.04	<0.02	0.092	<0.002	<0.01
	09 16 96	<0.005	<0.04	<0.02	0.079	<0.002	<0.01
	10 09 96	<0.005	<0.04	<0.02	0.14	<0.002	<0.01
	11 13 96	<0.005	<0.04	<0.02	0.079	<0.002	<0.01
	12 18 96	<0.005	<0.04	<0.02	0.066	<0.002	<0.01
	01 22 97	<0.005	<0.04	<0.02	0.052	<0.002	<0.01
	02 11 97	<0.005	<0.04	0.032	<0.04	<0.002	<0.01
	03 25 97	<0.005	<0.04	<0.02	0.089	<0.002	<0.01
	04 15 97	<0.005	<0.04	<0.02	0.071	<0.002	<0.01
M29-UBF	05 15 96	<0.005	<0.04	0.032	0.060	<0.002	0.013
	06 14 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	07 16 96	<0.005	<0.04	<0.02	0.22	<0.002	<0.01
	08 08 96	<0.005	<0.04	<0.02	0.23	<0.002	<0.01
	09 16 96	<0.005	<0.04	<0.02	0.093	<0.002	<0.01
	10 09 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	11 13 96	<0.005	<0.04	<0.02	0.058	<0.002	<0.01
	12 18 96	<0.005	<0.04	<0.02	0.20	<0.002	<0.01
	01 22 97	<0.005	<0.04	<0.02	0.23	<0.002	<0.01
	02 11 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	03 25 97	<0.005	<0.04	<0.02	0.061	<0.002	<0.01
	04 15 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
M30-O	05 21 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	06 13 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.013
	07 11 96	<0.005	<0.04	<0.02	0.16	<0.002	0.015
	08 19 96	<0.005	<0.04	<0.02	0.18	<0.002	0.020
	09 16 96	0.012	<0.04	<0.02	0.21	<0.002	0.019
	10 09 96	<0.005	<0.04	<0.02	0.28	<0.002	0.018
	11 13 96	<0.005	<0.04	<0.02	0.21	<0.002	<0.01
	12 18 96	<0.005	<0.04	<0.02	0.42	<0.002	0.028
	01 22 97	<0.005	<0.04	<0.02	0.40	<0.002	0.020
	02 11 97	<0.005	<0.04	<0.02	0.23	<0.002	0.017
	03 25 97	<0.005	<0.04	<0.02	0.26	<0.002	0.018
	04 15 97	<0.005	<0.04	<0.02	0.31	0.0031	0.017

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Cr	Co	Cu	Fe	Pb	Mn
M31-LBF	05 21 96	<0.005	<0.04	<0.02	0.047	<0.002	0.023
	06 13 96	<0.005	<0.04	<0.02	0.058	<0.002	0.010
	07 11 96	<0.005	<0.04	<0.02	0.19	<0.002	<0.01
	08 19 96	<0.005	<0.04	<0.02	0.18	<0.002	<0.01
	09 16 96	<0.005	<0.04	<0.02	0.066	<0.002	<0.01
	10 09 96	<0.005	<0.04	<0.02	0.075	<0.002	<0.01
	11 13 96	<0.005	<0.04	<0.02	0.074	<0.002	<0.01
	12 18 96	<0.005	<0.04	<0.02	0.23	<0.002	<0.01
	01 22 97	<0.005	<0.04	<0.02	0.19	<0.002	0.014
	02 11 97	<0.005	<0.04	<0.02	<0.04	<0.002	0.010
	03 25 97	<0.005	<0.04	<0.02	0.078	<0.002	<0.01
	04 15 97	0.0062	<0.04	<0.02	0.070	0.0044	<0.01
M32-UBF	05 21 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	06 12 96	0.011	<0.04	<0.02	<0.04	<0.002	<0.01
	07 10 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	08 22 96	<0.005	<0.04	0.040	<0.04	<0.002	<0.01
	09 09 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	10 07 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	11 11 96	<0.005	<0.04	<0.02	0.21	<0.002	<0.01
	12 16 96	<0.005	<0.04	<0.02	0.23	<0.002	<0.01
	01 23 97	<0.005	<0.04	<0.02	0.24	<0.002	<0.01
	02 10 97	<0.005	<0.04	<0.02	0.050	0.0047	<0.01
	03 24 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	04 14 97	<0.005	<0.04	0.053	0.24	<0.002	<0.01
M33-UBF	05 21 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	06 12 96	0.0093	<0.04	<0.02	<0.04	<0.002	<0.01
	07 10 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	08 22 96	<0.005	<0.04	0.046	<0.04	<0.002	<0.01
	09 09 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	10 07 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	11 11 96	<0.005	<0.04	<0.02	0.20	<0.002	<0.01
	12 16 96	<0.005	<0.04	<0.02	0.20	<0.002	<0.01
	01 23 97	<0.005	<0.04	<0.02	0.20	<0.002	<0.01
	02 10 97	<0.005	<0.04	<0.02	<0.04	0.0042	<0.01
	03 25 97	0.025	<0.04	<0.02	<0.04	<0.002	<0.01
	04 14 97	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
P19-1-O	01 19 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.051
	02 15 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.035
	03 14 96	<0.005	<0.04	<0.02	0.060	<0.002	0.044
	04 10 96	0.0055	<0.04	<0.02	<0.04	<0.002	0.040
	05 07 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.038
	06 14 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.025
	07 16 96	<0.005	<0.04	<0.02	0.058	<0.002	0.029
	08 08 96	<0.005	<0.04	<0.02	0.060	<0.002	0.021
	09 11 96	<0.005	<0.04	<0.02	0.051	<0.002	0.025
	10 10 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	11 14 96	<0.005	<0.04	<0.02	0.066	<0.002	<0.01
	12 19 96	<0.005	<0.04	<0.02	0.059	<0.002	<0.01

Table 2. Alert Levels for Trace Metals

Well	Sample	Analyte (mg/l)					
		Cr	Co	Cu	Fe	Pb	Mn
O19-GL	01 19 96	0.0063	<0.04	<0.02	<0.04	<0.002	0.19
	02 15 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.11
	03 14 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.080
	04 10 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.050
	05 07 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.041
	06 14 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.041
	07 16 96	<0.005	<0.04	<0.02	0.056	<0.002	0.031
	08 08 96	<0.005	<0.04	<0.02	0.068	<0.002	0.021
	09 11 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.026
	10 10 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.015
	11 14 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.012
	12 19 96	<0.005	<0.04	<0.02	0.060	<0.002	<0.01
P49-O	01 16 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.028
	02 12 96	<0.005	<0.04	0.026	0.072	<0.002	0.023
	03 11 96	<0.005	<0.04	<0.02	0.11	<0.002	0.011
	04 22 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.025
	05 09 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.020
	06 11 96	0.0082	<0.04	<0.02	<0.04	<0.002	0.017
	07 17 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.017
	08 19 96	<0.005	<0.04	0.023	0.050	<0.002	0.015
	09 16 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.014
	10 07 96	<0.005	<0.04	<0.02	<0.04	<0.002	<0.01
	11 11 96	<0.005	<0.04	<0.02	0.057	<0.002	0.012
	12 16 96	<0.005	<0.04	<0.02	0.054	<0.002	<0.01
O49-GL	01 16 96	<0.005	<0.04	<0.02	<0.04	<0.002	0.20
	02 12 96	<0.005	<0.04	<0.02	0.13	<0.002	0.13
	03 11 96	<0.005	<0.04	<0.02	0.10	<0.002	0.12
	04 18 96	<0.005	<0.04	<0.02	0.12	<0.002	0.077
	05 09 96	<0.005	<0.04	<0.02	0.059	<0.002	0.061
	06 11 96	0.0061	<0.04	<0.02	0.088	<0.002	0.058
	07 17 96	<0.005	<0.04	<0.02	0.084	<0.002	0.045
	08 19 96	<0.005	<0.04	<0.02	0.12	<0.002	0.036
	09 09 96	<0.005	<0.04	<0.02	0.11	<0.002	0.026
	10 07 96	<0.005	<0.04	<0.02	0.086	<0.002	0.026
	11 11 96	<0.005	<0.04	<0.02	0.11	<0.002	0.039
	12 16 96	<0.005*	<0.04*	<0.02*	0.17*	<0.002*	0.35*
Mean		-0.0142	ID	-0.0284	-0.128	-0.00353	-0.00641
Standard Deviation		0.0175	ID	0.0302	0.552	0.00366	0.0523
Initial Alert Level		0.061	ID	0.10	2.2	0.012	0.22
Standard (AWQS or 2nd DW)		0.1	none	1	0.3	0.05	0.05
Reporting Limit		0.005	0.04	0.02	0.04	0.002	0.01
Midpoint (RL and Standard)		0.053	ID	0.51	0.17	0.026	0.030
Final Alert Level**		0.061	reserved	0.51	2.2	0.026	0.22
**Greater of initial AL or midpoint							
Prediction limit factor = 4.30							
*Value not used in alert level calculations due to loss of well integrity							

Table 2. Alert Levels for Trace Metals

Well	Sample Date	Analyte (mg/l)					
		Hg	Ni	Se	Tl	Zn	
M1-GL	Jul-95	<0.0002	<0.04	<0.004	<0.002	0.012	
	Aug-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Sept-95	<0.0002	<0.04	<0.004	<0.002	0.013	
	Oct-95	0.00030	<0.04	<0.004	<0.002	<0.01	
	Nov-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Dec-95	<0.0002	<0.04	<0.004	<0.002	0.22	
	Jan-96	<0.0002	0.054	<0.004	<0.002	<0.01	
	Feb-96	<0.0002	<0.04	<0.004	<0.002	0.014	
	Mar-96	<0.0002	<0.04	<0.004	<0.002	0.013	
	Apr-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	May-96	<0.0002	<0.04	<0.004	<0.002	0.015	
	Jun-96	<0.0002	<0.04	<0.004	<0.002	0.016	
M2-GU	Jun-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Jul-95	<0.0002	0.049	<0.004	<0.002	0.019	
	Aug-95	<0.0002	<0.04	0.0059	<0.002	<0.01	
	Sept-95	<0.0002	0.075	<0.004	<0.002	0.017	
	Oct-95	<0.0002	<0.04	<0.004	<0.002	0.022	
	Nov-95	<0.0002	<0.04	<0.004	<0.002	0.010	
	Dec-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Jan-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Feb-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Mar-96	<0.0002	<0.04	<0.004	<0.002	0.014	
	Apr-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	May-96	<0.0002	<0.04	<0.004	<0.002	0.013	
M3-GL	Jun-95	<0.0002	<0.04	<0.004	<0.002	0.043	
	Jul-95	<0.0002	0.043	<0.004	<0.002	0.018	
	Aug-95	<0.0002	<0.04	0.0052	<0.002	<0.01	
	Sept-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Oct-95	<0.0002	<0.04	<0.004	<0.002	0.019	
	Nov-95	<0.0002	<0.04	<0.004	<0.002	0.014	
	Dec-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Jan-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Feb-96	<0.0002	<0.04	<0.004	<0.002	0.011	
	Mar-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Apr-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	May-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
M4-O	Jun-95	<0.0002	<0.04	<0.004	<0.002	0.045	
	Jul-95	<0.0002	<0.04	<0.004	<0.002	0.024	
	Aug-95	<0.0002	<0.04	0.0083	<0.002	<0.01	
	Sept-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Oct-95	<0.0002	<0.04	<0.004	<0.002	0.017	
	Nov-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Dec-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Jan-96	<0.0002	<0.04	<0.004	<0.002	0.021	
	Feb-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Mar-96	<0.0002	<0.04	<0.004	<0.002	0.013	
	Apr-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	May-96	<0.0002	<0.04	<0.004	<0.002	0.010	

Table 2. Alert Levels for Trace Metals

Well	Sample Date	Analyte (mg/l)				
		Hg	Ni	Se	Tl	Zn
M6-GU	Jul-95	<0.0002	<0.04	<0.004	<0.002	<0.01
	Aug-95	0.00020	<0.04	<0.004	<0.002	<0.01
	Sept-95	<0.0002	<0.04	<0.004	<0.002	<0.01
	Oct-95	<0.0002	<0.04	<0.004	<0.002	0.13
	Nov-95	<0.0002	<0.04	<0.004	<0.002	0.036
	Dec-95	<0.0002	<0.04	<0.004	<0.002	0.21
	Jan-96	<0.0002	<0.04	<0.004	<0.002	<0.01
	Feb-96	<0.0002	<0.04	<0.004	<0.002	<0.01
	Mar-96	<0.0002	<0.04	<0.004	<0.002	<0.01
	Apr-96	<0.0002	<0.04	<0.004	<0.002	<0.01
	May-96	<0.0002	<0.04	<0.004	<0.002	<0.01
	Jun-96	<0.0002	<0.04	<0.004	<0.002	0.018
M7-GL	Aug-95	<0.0002	<0.04	<0.004	<0.002	0.014
	Sept-95	<0.0002	<0.04	<0.004	<0.002	0.018
	Oct-95	<0.0002	<0.04	<0.004	<0.002	0.17
	Nov-95	<0.0002	<0.04	<0.004	<0.002	0.044
	Dec-95	<0.0002	<0.04	<0.004	<0.002	0.23
	Jan-96	<0.0002	<0.04	<0.004	<0.002	<0.01
	Feb-96	<0.0002	<0.04	<0.004	<0.002	0.010
	Mar-96	<0.0002	<0.04	<0.004	<0.002	<0.01
	Apr-96	<0.0002	<0.04	<0.004	<0.002	<0.01
	May-96	<0.0002	<0.04	<0.004	<0.002	0.011
	Jun-96	<0.0002	<0.04	<0.004	<0.002	0.013
	Jul-96	<0.0002	0.047	<0.004	<0.002	0.016
M8-O	Jul-95	<0.0002	<0.04	<0.004	<0.002	<0.01
	Aug-95	<0.0002	<0.04	0.0048	<0.002	<0.01
	Sept-95	<0.0002	<0.04	0.0047	<0.002	<0.01
	Oct-95	<0.0002	<0.04	0.0054	<0.002	0.14
	Nov-95	<0.0002	<0.04	0.0059	<0.002	0.044
	Dec-95	<0.0002	<0.04	0.0045	<0.002	0.22
	Jan-96	<0.0002	<0.04	0.0070	<0.002	<0.01
	Feb-96	<0.0002	<0.04	<0.004	<0.002	0.013
	Mar-96	<0.0002	<0.04	0.0049	<0.002	<0.01
	Apr-96	<0.0002	<0.04	0.0048	<0.002	<0.01
	May-96	<0.0002	<0.04	<0.004	<0.002	<0.01
	Jun-96	<0.0002	<0.04	0.0043	<0.002	0.011
M14-GL	Jul-95	<0.0002	<0.04	<0.004	<0.002	0.024
	Aug-95	<0.0002	<0.04	0.011	<0.002	<0.01
	Sept-95	<0.0002	<0.04	<0.004	<0.002	<0.01
	Oct-95	<0.0002	<0.04	<0.004	<0.002	0.021
	Nov-95	<0.0002	<0.04	<0.004	<0.002	<0.01
	Dec-95	<0.0002	<0.04	<0.004	<0.002	<0.01
	Jan-96	<0.0002	0.061	<0.004	<0.002	<0.01
	Feb-96	<0.0002	<0.04	<0.004	<0.002	0.019
	Mar-96	<0.0002	<0.04	<0.004	<0.002	0.013
	Apr-96	<0.0002	<0.04	<0.004	<0.002	0.019
	May-96	<0.0002	<0.04	<0.004	<0.002	0.010
	Jun-96	<0.0002	0.040	<0.004	<0.002	0.018

Table 2. Alert Levels for Trace Metals

Well	Sample Date	Analyte (mg/l)					
		Hg	Ni	Se	Tl	Zn	
M15-GU	Jul-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Aug-95	<0.0002	<0.04	0.023	<0.002	0.013	
	Sept-95	<0.0002	<0.04	<0.004	<0.002	0.014	
	Oct-95	<0.0002	<0.04	<0.004	<0.002	0.025	
	Nov-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Dec-95	<0.0002	<0.04	<0.004	<0.002	0.011	
	Jan-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Feb-96	<0.0002	<0.04	<0.004	<0.002	0.012	
	Mar-96	<0.0002	<0.04	<0.004	<0.002	0.012	
	Apr-96	<0.0002	<0.04	<0.004	<0.002	0.020	
	May-96	<0.0002	0.055	<0.004	<0.002	0.034	
	Jun-96	<0.0002	<0.04	<0.004	<0.002	0.011	
M16-GU	Jul-95	<0.0002	<0.04	<0.004	<0.002	0.041	
	Aug-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Sept-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Oct-95	<0.0002	<0.04	<0.004	<0.002	0.30	
	Nov-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Dec-95	<0.0002	<0.04	<0.004	<0.002	0.013	
	Jan-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Feb-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Mar-96	<0.0002	<0.04	<0.004	<0.002	0.015	
	Apr-96	<0.0002	<0.04	<0.004	<0.002	0.015	
	May-96	<0.0002	<0.04	<0.004	<0.002	0.054	
	Jun-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
M17-GL	05 29 96	<0.0002	<0.04	<0.004	<0.002	0.015	
	06 13 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	07 11 96	<0.0002	<0.04	<0.004	<0.002	0.015	
	08 22 96	<0.0002	<0.04	<0.004	<0.002	0.016	
	09 11 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	10 10 96	<0.0002	<0.04	<0.004	<0.002	0.021	
	11 14 96	<0.0002	<0.04	<0.004	0.0028	<0.01	
	12 19 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	01 23 97	<0.0002	<0.04	<0.004	<0.002	0.041	
	02 12 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 26 97	<0.0002	<0.04	<0.004	<0.002	0.016	
	04 16 97	<0.0002	<0.04	<0.004	<0.002	0.013	
M18-GU	Jul-95	<0.0002	<0.04	<0.004	<0.002	0.033	
	Aug-95	<0.0002	<0.04	<0.004	<0.002	0.012	
	Sept-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Oct-95	<0.0002	<0.04	<0.004	<0.002	0.011	
	Nov-95	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Dec-95	<0.0002	<0.04	<0.004	<0.002	0.17	
	Jan-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	Feb-96	<0.0002	<0.04	<0.004	<0.002	0.019	
	Mar-96	<0.0002	<0.04	<0.004	<0.002	0.017	
	Apr-96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	May-96	<0.0002	<0.04	<0.004	<0.002	0.022	
	Jun-96	<0.0002	<0.04	<0.004	<0.002	0.018	

Table 2. Alert Levels for Trace Metals

Well	Sample Date	Analyte (mg/l)					
		Hg	Ni	Se	Tl	Zn	
M19-LBF	05 09 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	06 12 96	<0.0002	<0.04	<0.004	<0.002	0.011	
	07 10 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	08 07 96	<0.0002	<0.04	<0.004	<0.002	0.011	
	09 10 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	10 08 96	<0.0002	<0.04	<0.004	<0.002	0.015	
	11 12 96	<0.0002	<0.04	<0.004	<0.002	0.014	
	12 17 96	<0.0002	<0.04	<0.004	0.0070	0.019	
	01 21 97	<0.0002	<0.04	<0.004	<0.002	0.041	
	02 10 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 24 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	04 14 97	<0.0002	<0.04	<0.004	<0.002	0.014	
M20-O	05 09 96	<0.0002	<0.04	<0.004	<0.002	0.011	
	06 12 96	<0.0002	<0.04	<0.004	<0.002	0.019	
	07 10 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	08 22 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 11 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	10 10 96	<0.0002	<0.04	<0.004	<0.002	0.051	
	11 14 96	<0.0002	<0.04	<0.004	0.0025	<0.01	
	12 19 96	<0.0002	<0.04	<0.004	<0.002	0.010	
	01 23 97	<0.0002	<0.04	<0.004	<0.002	0.030	
	02 12 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 26 97	<0.0002	<0.04	<0.004	<0.002	0.027	
	04 16 97	<0.0002	<0.04	<0.004	<0.002	0.014	
M21-UBF	05 09 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	06 12 96	<0.0002	<0.04	<0.004	<0.002	0.019	
	07 10 96	<0.0002	<0.04	<0.004	<0.002	0.011	
	08 07 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 10 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	10 08 96	<0.0002	<0.04	<0.004	<0.002	0.017	
	11 12 96	<0.0002	<0.04	<0.004	<0.002	0.026	
	12 17 96	<0.0002	<0.04	<0.004	0.0094	0.012	
	01 21 97	<0.0002	<0.04	<0.004	<0.002	0.030	
	02 10 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 24 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	04 14 97	<0.0002	<0.04	<0.004	<0.002	0.012	
M22-O	05 28 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	06 17 96	<0.0002	<0.04	<0.004	<0.002	0.013	
	07 18 96	<0.0002	<0.04	<0.004	<0.002	0.022	
	08 07 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 10 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	10 08 96	<0.0002	<0.04	<0.004	0.0069	0.012	
	11 12 96	<0.0002	<0.04	<0.004	<0.002	0.015	
	12 17 96	<0.0002	<0.04	<0.004	0.0057	0.013	
	01 21 97	<0.0002	<0.04	<0.004	<0.002	0.026	
	02 10 97	<0.0002	<0.04	<0.004	<0.002	0.034	
	03 24 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	04 14 97	<0.0002	<0.04	<0.004	<0.002	<0.01	

Table 2. Alert Levels for Trace Metals

Well	Sample Date	Analyte (mg/l)					
		Hg	Ni	Se	Tl	Zn	
M23-UBF	05 23 96	<0.0002	<0.04	<0.004	<0.002	0.013	
	06 17 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	07 18 96	<0.0002	<0.04	<0.004	<0.002	0.014	
	08 07 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 10 96	<0.0002	<0.04	<0.004	<0.002	0.010	
	10 08 96	<0.0002	<0.04	<0.004	0.0065	0.016	
	11 12 96	<0.0002	<0.04	<0.004	<0.002	0.018	
	12 17 96	<0.0002	<0.04	<0.004	0.0084	0.022	
	01 21 97	<0.0002	<0.04	<0.004	<0.002	0.030	
	02 10 97	<0.0002	<0.04	<0.004	<0.002	0.013	
	03 24 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	04 14 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
M24-O	05 28 96	<0.0002	<0.04	0.0051	<0.002	<0.01	
	06 13 96	<0.0002	<0.04	0.0055	<0.002	<0.01	
	07 11 96	<0.0002	<0.04	0.0062	<0.002	0.021	
	08 22 96	<0.0002	<0.04	0.0059	<0.002	0.084	
	09 11 96	<0.0002	<0.04	0.0060	<0.002	0.016	
	10 10 96	<0.0002	<0.04	0.0054	<0.002	0.050	
	11 14 96	<0.0002	<0.04	0.0063	<0.002	<0.01	
	12 19 96	<0.0002	<0.04	0.0055	<0.002	0.013	
	01 23 97	<0.0002	<0.04	0.0065	<0.002	0.029	
	02 12 97	<0.0002	<0.04	0.0056	<0.002	<0.01	
	03 26 97	<0.0002	<0.04	0.0056	<0.002	0.026	
	04 16 97	<0.0002	<0.04	0.0059	<0.002	0.017	
M25-UBF	05 28 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	06 13 96	<0.0002	<0.04	<0.004	<0.002	0.014	
	07 11 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	08 22 96	<0.0002	<0.04	<0.004	<0.002	0.018	
	09 11 96	<0.0002	<0.04	<0.004	<0.002	0.014	
	10 10 96	<0.0002	<0.04	<0.004	<0.002	0.039	
	11 14 96	<0.0002	<0.04	<0.004	0.0026	<0.01	
	12 19 96	<0.0002	<0.04	<0.004	<0.002	0.014	
	01 23 97	<0.0002	<0.04	<0.004	<0.002	0.042	
	02 12 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 26 97	<0.0002	<0.04	<0.004	<0.002	0.018	
	04 16 97	<0.0002	<0.04	<0.004	<0.002	0.029	
M26-O	05 15 96	<0.0002	<0.04	<0.004	<0.002	0.025	
	06 14 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	07 16 96	<0.0002	<0.04	<0.004	<0.002	0.025	
	08 08 96	<0.0002	<0.04	<0.004	<0.002	0.022	
	09 16 96	<0.0002	<0.04	<0.004	<0.002	0.011	
	10 09 96	<0.0002	<0.04	<0.004	<0.002	0.026	
	11 13 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	12 18 96	<0.0002	<0.04	0.0044	<0.002	0.027	
	01 22 97	<0.0002	<0.04	0.0040	<0.002	0.038	
	02 11 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 25 97	<0.0002	<0.04	0.0052	<0.002	<0.01	
	04 15 97	<0.0002	<0.04	<0.004	<0.002	<0.01	

Table 2. Alert Levels for Trace Metals

Well	Sample Date	Analyte (mg/l)					
		Hg	Ni	Se	Tl	Zn	
M27-LBF	05 15 96	<0.0002	<0.04	<0.004	<0.002	0.011	
	06 14 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	07 16 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	08 08 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 16 96	<0.0002	<0.04	<0.004	<0.002	0.013	
	10 09 96	<0.0002	<0.04	<0.004	<0.002	0.024	
	11 13 96	<0.0002	<0.04	<0.004	0.0023	0.015	
	12 18 96	<0.0002	<0.04	<0.004	<0.002	0.011	
	01 22 97	<0.0002	<0.04	<0.004	<0.002	0.015	
	02 11 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 25 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	04 15 97	<0.0002	<0.04	<0.004	<0.002	0.012	
M28-LBF	05 15 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	06 14 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	07 16 96	<0.0002	<0.04	<0.004	<0.002	0.014	
	08 08 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 16 96	<0.0002	<0.04	<0.004	<0.002	0.010	
	10 09 96	<0.0002	<0.04	<0.004	<0.002	0.023	
	11 13 96	<0.0002	<0.04	<0.004	0.0028	0.019	
	12 18 96	<0.0002	<0.04	<0.004	<0.002	0.065	
	01 22 97	<0.0002	<0.04	<0.004	<0.002	0.015	
	02 11 97	<0.0002	<0.04	<0.004	<0.002	0.066	
	03 25 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	04 15 97	<0.0002	<0.04	<0.004	<0.002	0.017	
M29-UBF	05 15 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	06 14 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	07 16 96	<0.0002	<0.04	<0.004	<0.002	0.014	
	08 08 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 16 96	<0.0002	<0.04	<0.004	<0.002	0.015	
	10 09 96	<0.0002	<0.04	<0.004	<0.002	0.036	
	11 13 96	<0.0002	<0.04	<0.004	<0.002	0.017	
	12 18 96	<0.0002	<0.04	<0.004	0.0086	0.034	
	01 22 97	<0.0002	<0.04	<0.004	<0.002	0.022	
	02 11 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 25 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	04 15 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
M30-O	05 21 96	<0.0002	<0.04	<0.004	<0.002	0.016	
	06 13 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	07 11 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	08 19 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 16 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	10 09 96	<0.0002	<0.04	<0.004	0.0060	0.013	
	11 13 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	12 18 96	<0.0002	<0.04	<0.004	0.0087	0.021	
	01 22 97	<0.0002	<0.04	<0.004	<0.002	0.038	
	02 11 97	<0.0002	<0.04	<0.004	<0.002	<0.01	

Table 2. Alert Levels for Trace Metals

Well	Sample Date	Analyte (mg/l)					
		Hg	Ni	Se	Tl	Zn	
M31-LBF	05 21 96	<0.0002	<0.04	<0.004	<0.002	0.029	
	06 13 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	07 11 96	<0.0002	<0.04	<0.004	<0.002	0.013	
	08 19 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 16 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	10 09 96	<0.0002	<0.04	<0.004	<0.002	0.027	
	11 13 96	<0.0002	<0.04	<0.004	<0.002	0.024	
	12 18 96	<0.0002	<0.04	<0.004	0.0092	0.021	
	01 22 97	<0.0002	<0.04	<0.004	<0.002	0.021	
	02 11 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 25 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	04 15 97	<0.0002	<0.04	<0.004	<0.002	0.010	
M32-UBF	05 21 96	<0.0002	<0.04	<0.004	<0.002	0.021	
	06 12 96	<0.0002	<0.04	<0.004	<0.002	0.020	
	07 10 96	<0.0002	<0.04	<0.004	<0.002	0.015	
	08 22 96	<0.0002	<0.04	<0.004	<0.002	0.013	
	09 09 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	10 07 96	<0.0002	<0.04	<0.004	<0.002	0.025	
	11 11 96	<0.0002	<0.04	<0.004	<0.002	0.016	
	12 16 96	<0.0002	<0.04	<0.004	<0.002	0.033	
	01 23 97	<0.0002	<0.04	<0.004	<0.002	0.068	
	02 10 97	<0.0002	<0.04	<0.004	<0.002	0.020	
	03 24 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	04 14 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
M33-UBF	05 21 96	<0.0002	<0.04	<0.004	<0.002	0.015	
	06 12 96	<0.0002	<0.04	<0.004	<0.002	0.015	
	07 10 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	08 22 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 09 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	10 07 96	<0.0002	<0.04	<0.004	<0.002	0.031	
	11 11 96	<0.0002	<0.04	<0.004	<0.002	0.018	
	12 16 96	<0.0002	<0.04	<0.004	<0.002	0.039	
	01 23 97	<0.0002	<0.04	<0.004	<0.002	0.055	
	02 10 97	<0.0002	<0.04	<0.004	<0.002	0.024	
	03 25 97	<0.0002	<0.04	<0.004	<0.002	<0.01	
	04 14 97	<0.0002	<0.04	<0.004	<0.002	0.011	
P19-1-O	01 19 96	<0.0002	<0.04	<0.004	<0.002	0.013	
	02 15 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 14 96	<0.0002	<0.04	<0.004	<0.002	0.026	
	04 10 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	05 07 96	<0.0002	0.058	<0.004	<0.002	<0.01	
	06 14 96	<0.0002	<0.04	<0.004	<0.002	0.033	
	07 16 96	<0.0002	<0.04	<0.004	<0.002	0.019	
	08 08 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 11 96	<0.0002	<0.04	<0.004	<0.002	0.013	
	10 10 96	<0.0002	<0.04	<0.004	<0.002	0.033	
	11 14 96	<0.0002	<0.04	<0.004	0.0023	<0.01	
	12 19 96	<0.0002	<0.04	<0.004	<0.002	0.012	

Table 2. Alert Levels for Trace Metals

Well	Sample Date	Analyte (mg/l)					
		Hg	Ni	Se	Tl	Zn	
O19-GL	01 19 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	02 15 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 14 96	<0.0002	<0.04	<0.004	<0.002	0.014	
	04 10 96	<0.0002	<0.04	<0.004	<0.002	0.011	
	05 07 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	06 14 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	07 16 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	08 08 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 11 96	<0.0002	<0.04	<0.004	<0.002	0.017	
	10 10 96	<0.0002	<0.04	<0.004	<0.002	0.030	
	11 14 96	<0.0002	<0.04	<0.004	<0.002	0.013	
	12 19 96	<0.0002	<0.04	<0.004	<0.002	0.016	
P49-O	01 16 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	02 12 96	<0.0002	<0.04	<0.004	<0.002	0.011	
	03 11 96	<0.0002	<0.04	<0.004	<0.002	0.023	
	04 22 96	<0.0002	<0.04	<0.004	<0.002	0.023	
	05 09 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	06 11 96	<0.0002	<0.04	<0.004	<0.002	0.022	
	07 17 96	<0.0002	<0.04	<0.004	<0.002	0.018	
	08 19 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 16 96	<0.0002	<0.04	<0.004	<0.002	0.015	
	10 07 96	<0.0002	<0.04	<0.004	<0.002	0.028	
	11 11 96	<0.0002	<0.04	<0.004	<0.002	0.040	
	12 16 96	<0.0002	<0.04	<0.004	0.0021	0.030	
O49-GL	01 16 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	02 12 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	03 11 96	<0.0002	<0.04	<0.004	<0.002	0.013	
	04 18 96	<0.0002	<0.04	<0.004	<0.002	0.015	
	05 09 96	<0.0002	<0.04	<0.004	<0.002	0.010	
	06 11 96	<0.0002	<0.04	<0.004	<0.002	0.022	
	07 17 96	<0.0002	<0.04	<0.004	<0.002	0.035	
	08 19 96	<0.0002	<0.04	<0.004	<0.002	<0.01	
	09 09 96	<0.0002	<0.04	<0.004	<0.002	0.027	
	10 07 96	<0.0002	<0.04	<0.004	<0.002	0.029	
	11 11 96	<0.0002	<0.04	<0.004	<0.002	0.012	
	12 16 96	<0.0002*	<0.04*	<0.004*	<0.002*	0.031	
		Mean	0.0000681	-0.0124	-0.00461	-0.0107	0.00833
		Standard Deviation	0.000120	0.0320	0.00614	0.00811	0.0420
		Initial Alert Level	0.00058	0.13	0.022	0.024	0.19
		Standard (AWQS or 2nd DW)	0.002	0.1	0.05	0.002	5
		Reporting Limit	0.0002	0.04	0.004	0.002	0.01
		Midpoint (RL and Standard)	0.0011	0.070	0.027	0.0020	2.5
		Final Alert Level**	0.0011	0.13	0.027	0.024	2.5
		**Greater of initial AL or midpoint					
		Prediction limit factor = 4.30					
		*Value not used in alert level calculations due to loss of well integrity					

Table 3. Aquifer Quality Limits for Fluoride

Analyte (units)	AWQS	Level	Well	Calculated AL	Is AL < AWQS?	AQL
Fluoride (mg/l)	4.0	I	M1-GL	1.2	yes	4.0
			M2-GU	1.3	yes	4.0
			M3-GL	1.2	yes	4.0
			M4-O	4.5	no	4.5
			M6-GU	1.2	yes	4.0
			M7-GL	1.5	yes	4.0
			M8-O	3.3	yes	4.0
			M14-GL	1.2	yes	4.0
			M15-GU	1.1	yes	4.0
			M16-GU	1.0	yes	4.0
			M17-GL	1.4	yes	4.0
			M18-GU	1.4	yes	4.0
			M19-LBF	0.82	yes	4.0
			M20-O	1.5	yes	4.0
			M21-UBF	1.0	yes	4.0
			M22-O	1.2	yes	4.0
			M23-UBF	1.2	yes	4.0
			M24-O	2.2	yes	4.0
			M25-UBF	1.4	yes	4.0
			M26-O	3.0	yes	4.0
			M27-LBF	0.70	yes	4.0
			M28-LBF	1.4	yes	4.0
			M29-UBF	1.0	yes	4.0
			M30-O	1.4	yes	4.0
			M31-LBF	1.2	yes	4.0
			M32-UBF	1.0	yes	4.0
			M33-UBF	1.2	yes	4.0
			P19-1-O	2.5	yes	4.0
			O19-GL	1.3	yes	4.0
			P49-O	1.8	yes	4.0
			O49-GL	0.80	yes	4.0

AWQS -- Aquifer water quality standard

AL -- Alert level

AQL -- Aquifer quality limit

Table 3. Aquifer Quality Limits for Fluoride

Analyte (units)	AWQS	Level	Well	Calculated AL	Is AL < AWQS?	AQL
Fluoride (mg/l)	4.0	II	M1-GL	1.3	yes	4.0
			M2-GU	1.4	yes	4.0
			M3-GL	1.3	yes	4.0
			M4-O	5.1	no	5.1
			M6-GU	1.3	yes	4.0
			M7-GL	1.7	yes	4.0
			M8-O	3.6	yes	4.0
			M14-GL	1.4	yes	4.0
			M15-GU	1.2	yes	4.0
			M16-GU	1.1	yes	4.0
			M17-GL	1.6	yes	4.0
			M18-GU	1.6	yes	4.0
			M19-LBF	0.92	yes	4.0
			M20-O	1.7	yes	4.0
			M21-UBF	1.1	yes	4.0
			M22-O	1.3	yes	4.0
			M23-UBF	1.3	yes	4.0
			M24-O	2.5	yes	4.0
			M25-UBF	1.6	yes	4.0
			M26-O	3.4	yes	4.0
			M27-LBF	0.79	yes	4.0
			M28-LBF	1.6	yes	4.0
			M29-UBF	1.1	yes	4.0
			M30-O	1.6	yes	4.0
			M31-LBF	1.3	yes	4.0
			M32-UBF	1.1	yes	4.0
			M33-UBF	1.4	yes	4.0
			P19-1-O	2.8	yes	4.0
			O19-GL	1.4	yes	4.0
			P49-O	2.0	yes	4.0
			O49-GL	0.89	yes	4.0

AWQS -- Aquifer water quality standard

AL -- Alert level

AQL -- Aquifer quality limit

Table 4. Aquifer Quality Limits for Trace Metals

Analyte	AWQS (mg/l)	Calculated AL (mg/l)	Is AL < AWQS?	AQL (mg/l)
Antimony	0.006	0.016	no	0.016
Arsenic	0.05	0.026	yes	0.05
Barium	2	1.0	yes	2
Beryllium	0.004	0.0053	no	0.0053
Cadmium	0.005	0.040	no	0.040
Chromium	0.1	0.061	yes	0.1
Lead	0.05	0.026	yes	0.05
Mercury	0.002	0.0011	yes	0.002
Nickel	0.1	0.13	no	0.13
Selenium	0.05	0.027	yes	0.05
Thallium	0.002	0.024	no	0.024

AWQS -- Aquifer water quality standard

AL -- Alert level

AQL -- Aquifer quality limit